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# PROCEEDINGS

OF THE

# IMPERIAL DELHI COMMITTEE

FOR THE MONTH OF

**DECEMBER 1915.**



DELHI  
SUPERINTENDENT GOVERNMENT PRINTING, INDIA  
1915





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## Imperial Delhi Committee

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# Proceedings

## OF THE

# Imperial Delhi Committee.

DECEMBER 1915.

### PART A.

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CONSTRUCTION OF THE FOUNDATIONS OF GOVERNMENT HOUSE.

File  
No. 24.

Memorandum No. 2888-W., dated the 10th November 1915.

No. 1.

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee.

I forward herewith an estimate \* amounting in all to Rs. 99,190 for the foundations of Government House in the north-east and north-west quarters, together with a supplementary figure for the south-east and south-west quarters. In addition to the above, the estimate includes certain small charges for water-supply and charges for contingencies and work charge establishment which are separately abstracted.

\* Not printed.

2. The foundations in these two north-east and north-west quarters are all on rock and leave the foundations under the dome and the Council Chamber yet to be estimated for. Apart from contingencies the amount already sanctioned is Rs. 73,497 ; this estimate contains sums of Rs. 55,370 and Rs. 13,264 which if added to the total sanctioned brings the total to Rs. 1,42,131.

3. I find that we have included in our former figures a sum of about Rs. 6,500 for drainage arrangements which is properly debitable to that head under Schedule B. I do not propose to write this back at present to its proper head but propose to do so as soon as the Schedule B layout has been finally approved and the estimate for the drainage arrangements has been framed.

4. Deducting this sum from Rs. 1,42,131 the net amount will stand at Rs. 1,35,631. The balance yet to be provided for is the foundation under the dome and the Council Chamber. So far as our figures have gone in respect of these items, the cost is not likely to exceed Rs. 65,000, making a total of

† Pro. March 1915, No. 36, A., file 24.

Rs. 2,00,631. I previously intimated † a maximum total of Rs. 1,67,000.

There is thus a probability of an excess of Rs. 33,631, say, Rs. 33,000 under the head of foundations, which it may be remembered was included in the figure for the basements in this building. The main reason for this is the inclusion of provision in the approximate figures for the foundations of the dome given above for the work being in cement instead of in lime mortar. We have not yet got full details of the dome from which to obtain an accurate distribution of weights but such information as we have got indicates the necessity for constructing this part of the work in portland cement mortar and it does not appear that any alteration in design can be effected which will obviate the necessity for its use. This point will be taken up with Mr. Lutyens on his arrival.

5. Provision is made in this estimate for certain working arrangements which are required for the whole period of the work and which cannot be borne against an ordinary centage charge for contingencies on the total for works.

6. Early sanction to the estimate is requested.

7. The work of redistributing the cube estimate for the purpose of enabling the Government of India to see how figures compare with the approximate figures is progressing and I hope to forward it during the first week of December.

No. 1734, dated Delhi, the 2nd December 1915.

No. 2.

From—The Secretary, Imperial Delhi Committee.

To—The Secretary to the Government of India, Public Works Department.

With reference to the correspondence resting with Public Works Department's letter† No. 67-B. D., dated the 1st June 1915, I am directed to submit a copy of a memorandum§ from the Chief Engineer, No. 2888-W., dated the 10th November 1915, forwarding an estimate|| amounting to Rs. 99,190 for the foundations in the north-east and north-west quarters of Government House. Since

† Pro., July 1915, No. 54 A, file 24.

§ Pro. No. 1, *supra*.

|| Not printed.

## Construction of the foundations of Government House.

the estimate includes various items not exclusively debitable to the foundations of the northern half of the building, it will be convenient to summarise the estimates for foundations as they stand up to date:—

	Basements.	Contingencies.	TOTAL.
	Rs.	Rs.	Rs.
(1) Foundations, south-east quarter . . . . .	35,067	1,575	36,582
(2) „ south-west „ . . . . .	38,490	1,735	40,225
<i>Add.</i> —Supplementary estimate for southern half of foundations.	13,264	663	13,927
Total of southern half . . . . .	86,761	3,973	90,734
Foundations of north-east and north-west quarters . . . . .	55,370	2,768	58,138
Cost of water . . . . .	...	4,200	4,200
Total cost of foundations . . . . .	1,42,131	10,941	1,53,072
Works Establishment not wholly debitable to foundations. . . . .	...	5,000	5,000
Service water-supply system to be used in both basements and superstructure. . . . .	...	9,785	9,785
Miscellaneous working arrangements ditto. . . . .	...	7,184	7,184
Total . . . . .	1,42,131	32,910	1,75,041
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Total . . . . .	...	...	1,75,997

2. In paragraph 12 of his memorandum \* No. 2752-W., dated 3rd October

\* Pro. November 1914, No. 25, A, file 37.

† Pro. November 1914, No. 33, A, file 37.

of foundations, excluding the Council Chamber at Rs. 1·537 lakhs or including the latter at Rs. 1·67 lakhs. At the same time he indicated the possibility of a smaller figure which he put at Rs. 1·176 lakhs. Subsequently in his memorandum† No. 814-W., dated 9th March 1915

‡ Pro. March 1915, No. 36, A, File 24.

§ Pro. March 1915, No. 37, A, File 24.

(copy forwarded with my letter §No. 460, dated 25th March 1915), he stated that the cost would be nearer the higher than the lower figure. The estimates hitherto prepared including the one now submitted amount to Rs. 1,42,131 excluding contingencies. The Chief Engineer points out that a sum of about Rs. 6,500 will eventually have to be written back to drainage arrangements under Schedule B. On the other hand the foundations of the dome and the Council Chamber are expected to cost Rs. 65,000 so that the total cost of the foundations will be Rs. 2,00,631 or an excess of Rs 33,631 over the figure originally taken. This excess appears to be unavoidable owing to the necessity of laying the foundations of the dome in portland cement mortar as explained by the Chief Engineer. The next estimate to be submitted will be for the balance of the basements, and it is now approaching completion. In submitting it the Committee will review more fully the possibility of an excess in this portion of the building.

3. The original allocation for contingencies and work establishment was Rs. 2·61 lakhs being 5 per cent. on the estimated cost of the main building, i.e., on Rs. 52·16 lakhs. The total allocations up to date to this sub-head (including the present estimate) amount to Rs. 32,910, while the allocations to other sub-heads amount only to Rs. 1,43,987. I am to point out, however, that a large part

**Construction of the foundations of Government House.**

of contingent expenditure on these estimates is not exclusively connected with the foundations. The water-supply system and the miscellaneous working arrangements will be utilized also in constructing the remainder of the basements and the superstructure, and the same remark applies also to the provision for works establishment. Provision has been made for the cost of water used in the foundations, but this is largely a matter of convenience, and much the greater part of the cost will be adjusted in the works rate for foundations and will not ultimately appear under this sub-head. While therefore there is a possibility of an excess over the provision for contingencies it is not yet certain that this will be the case.

4. The usual allocation statement\* is attached and the plans† noted in the margin are also forwarded. With reference to the note on plan No. 616; I am to explain that, though it has not been prepared with sufficient accuracy to be

\* Pro. No. 3, *infra*.

† Not printed.

Plans C. E. Nos. 545 and 616.

used in laying out the building, this does not imply any doubt as to its accuracy for estimating purposes. The revised allocation, which is intended to facilitate the comparison of the detailed estimates with the approximate figures originally taken, will be forwarded as soon as it is received from the Chief Engineer. I am to ask that early sanction may be accorded to the estimate.

## Construction of the foundations of Government House.

**No. 3.** Statement shewing allocations made against the various sub-heads under the Government House estimate of Rs. 60 lakhs.

No.	References to sanctions.	Sanctioned estimates.	Basement except under Council Chamber.	Hot and cold water and sanitary fittings.	Contingencies and work establishment.	Total.
			Rs. 7,876	Rs. 21	Rs. 241	Rs. 60
1	Government of India, Public Works Department, letter * No. 54-B, D., dated 13th April 1915.	Constructing the foundations of the south-east quarter of Government House.	85,007	...	1,575	36,582
2	Government of India, Public Works Department, letter † No. 67-B, D., dated 1st June 1915.	Constructing the foundations of the south-west quarter of Government House.	38,480	...	1,735	40,225
3	Estimate now submitted for sanction	Constructing the remainder of the foundations of Government House excluding the dome and Council Chamber.	68,634	956	29,600	99,190
		Total	1,42,181	956	32,910	1,75,997

\* Pro., May 1915, No. 5, A, file 24.

† Pro., July 1915, No. 54, A, file 24.

CONSTRUCTION OF A PORTION OF THE FRONT STEPS, WALLS, ETC. OF THE SECRETARIATS AND THE MENIALS' COURTS.

File  
No. 43.

No. O. 11-B. D., dated Delhi, the 25th November 1915.

No. 4.

From—W. C. RIVETT, Esq., Assistant-in-Charge, Government of India, Public Works Department.

To—The President, Imperial Delhi Committee.

I am directed to return herewith the plans\* noted on the margin† forwarded with your letter‡ No. 1626, dated the 8th November 1915. A separate communication regarding the estimates will follow.

\* Not printed.

† Plans C. E. Nos. 641, 259, 337 and 406.

‡ Pro. November 1915, No. 10, A, file 43.

No. 168-B. D., dated Simla, the 27th November 1915.

No. 5.

From—P. HAWKINS, Esq., Deputy Secretary to the Government of India, Public Works Department.

To—The President, Imperial Delhi Committee.

In continuation of this Department's (Delhi Camp Office) letter§

§ Pro. No. 4, *supra*.

Government of India sanction the estimates submitted with your letter || No. 1626, dated the 8th November 1915, amounting to (a) Rs. 55,224 for constructing a portion of the front steps, walls, etc., of the Secretariats and (b) Rs. 82,641 for constructing part of the menials' courts connected with the Secretariats in new Delhi. I am at the same time to observe that in addition to the excess of Rs. 2,41,202¶ already incurred on "Excavation and filling,"

|| Pro. November 1915, No. 10, A, file 43.

¶ *Vide* the Public Works Department letter\* No. 141-B. D., dated the 21st October 1915.

\* Pro. November 1915, No. 5, A, file 36.

menials' courts, by the omission of the life size stone elephants for the present to which the Government of India agree, and assuming an excess of Rs. 1 lakh only on the menials' courts. This excess may, however, be further reduced if it is eventually decided to give up the pavilion at the base of the steps—a point, which it is noted, is to be discussed with Mr. Baker this cold weather. Further it was reported in the Committee's letter\*\* No. 1463, dated the 10th October 1915, that they anticipated an excess of Rs. 3,24,000 over the preliminary allocation for the item "Superstructure," and that according to the Architects' designs the estimate for the Portes Cochers would possibly exceed the preliminary allocation by Rs. 1.07 lakhs. The amount of the excess therefore is as follows:—

\*\* Pro. November 1915, No. 3, A, file 36.

preliminary allocation for the item "Superstructure," and that according to the Architects' designs the estimate for the Portes Cochers would possibly exceed the preliminary allocation by Rs. 1.07 lakhs. The amount of the excess therefore is as follows:—

	Rs.
Excess on sanctioned estimates . . . . .	2,41,202
Anticipated excess on "Superstructure" . . . . .	3,24,000
Do. do. Portes Cochers . . . . .	1,07,000
Do. do. Front steps, etc., and menials' courts (omitting elephants).	54,000
TOTAL . . . . .	7,26,202

2. The Government of India will be glad to be informed in due course of the result of the discussion with Mr. Baker of the issue regarding the pavilion at the base of the steps, referred to above, and the other probable savings referred to in your letter.††

†† Pro. November 1915, No. 10, A, file 43.



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Construction of a portion of the front steps, walls, etc., of the Secretariats and the  
menials' courts.

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**No. 6.**

No. 1731, dated Delhi, the 1st December 1915.

Endorsement by the Secretary, Imperial Delhi Committee.

- (1) Copy, with a copy of the Imperial Delhi Committee letter\* No. 1626,  
dated the 8th November 1915, replied to,  
\* Pro. November 1915, No. 10, A, file 43. forwarded to the Chief Engineer, Delhi,  
for information, with reference to his memorandum† No. 2830-W., dated the  
1st November 1915.  
† Pro. November 1915, No. 8, A, file 43.

A report on the points mentioned in paragraph 2 of the Government of  
India's letter‡ should be submitted in due  
‡ Pro. No. 5, *supra*. course.

§ Not printed.

One of the two sets of plans§ sub-  
mitted with the estimates is returned.

- (2) Copy forwarded to the Audit Officer, Delhi, for information.

PROCEEDINGS OF THE MEETINGS OF THE IMPERIAL DELHI COMMITTEE.

File No. 1. **Proceedings of the 92nd meeting of the Imperial Delhi No. 7. Committee, held at Raisina on 26th November 1915.**

PRESENT :

THE HON'BLE MR. W. M. HAILEY, C.S.I., C.I.E., I.C.S., } *President.*  
 Chief Commissioner, Delhi. }  
 MR. H. T. KEELING, C.S.I., Chief Engineer, Delhi.  
 MR. G. RAINY, I.C.S., Financial Member.  
 MR. W. H. NICHOLLS, Architect Member.  
 MR. G. F. DEMONTMORENCY, C.I.E., I.C.S., Secretary.

1. The proceedings\* of the 91st meeting were confirmed.  
\*Pro. November 1915, No. 23, A, file 1.
2. Considered a letter† No. 1210-A., dated 21st October 1915, from the Chief Engineer, forwarding the Progress Report‡ under head "51." for the period ending 30th September 1915. Resolved that the report be recorded.  
†Not printed with these proceedings.  
 ‡Pro. No. 8, *infra*.
3. Considered a letter§ No. 2279-E., dated 13th November 1915, from the Chief Engineer, forwarding a scheme for a revised scale of grade and pay of draftsmen in Delhi. The monthly cost of the proposed scale totalling Rs. 5,901-4-0 as compared with Rs. 5,905 the monthly cost of the present sanctioned scale. Resolved that the proposed scale be approved.  
§Pro. November 1915, No. 36, A, file 18.
4. Considered a demi-official letter|| No. 06-B. D., dated 18th November 1915, from the Hon'ble Mr. R. P. Russell, regarding the lighting of certain roads in the new city area. Resolved that an estimate be prepared for lighting the road known as the Kutab diversion road and that meanwhile the temporary lighting of the barriers, corners and sign posts of that road be improved and that the edges of the road be defined by whitened beacons.  
||Pro. November 1915, No. 77, B, file 288.
5. Considered a memorandum¶ No. 2849-W., dated 4th November 1915, from the Chief Engineer, proposing a temporary lease of land to Mr. Amar Nath B. Bhaskar for a pottery and tile factory. It was resolved to grant a lease subject to some additions in the conditions proposed by the Chief Engineer.  
¶Pro. December 1915, Nos. 4-5, B, file 291.
6. Considered a letter\*\* No. 1282-A., dated 9th November 1915, from the Chief Engineer, forwarding a list†† of minor estimates amounting to Rs. 22,983 sanctioned by the Chief Engineer in the month of October 1915. Resolved that the sanctions given be approved.  
\*\*Pro. November 1915, No. 69, B, file 42.  
 ††Pro. No. 9, *infra*.
7. Considered a letter‡‡ No. 320-L. A., dated 4th November 1915, from the Special Land Acquisition Officer, forwarding a proposal for raising the pay of 9 members of his menial establishment by Rs. 18. As this is a temporary establishment and is about to be dispersed, the Committee resolved that the proposal could not be entertained unless the Special Land Acquisition Officer could show that the cost could be met by savings under other heads in his establishment charges.  
‡‡Pro. December 1915, No. 11, A, file 29.
8. Considered a memorandum§§ No. 2922-W., dated 15th November 1915, from the Chief Engineer, forwarding the designs and estimates for the Great Place. It was resolved to forward the designs and the approximate estimate to the Government of India. The total of the approximate estimate amounts to Rs. 5,92,800 exclusive of contingencies. It was decided to recommend the omission of the fountain basins which would reduce the cost to Rs. 4.75 lakhs or with contingencies to Rs. 5 lakhs.  
§§Not printed with these proceedings.

## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION.

No. 8.

Financial year 1915-16.

Progress Report for the month ending 30th September 1915.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D. I.—BUILDINGS. (a) GOVERNMENT HOUSE. <i>2nd Circle.</i> VI.—Project Division.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
1.	Collection of materials for Government House (February 1915).	3,04,245	1,47,687	...	1,20,547	L. 1,764	...	1,22,311	2,69,948			
2	Constructing the foundations of the south-east quarters of Government House (February 1915).	36,582			60,454	R. 52 L. 94	15,000	75,600	77,203	Excess being enquired into.		
3	Constructing the foundations of the south-west quarters of Government House (February 1915).	40,225 76,807	1,808	...								
	Total VI.—Project Division, <i>2nd Circle.</i>	...	...	8,51,500	1,81,001	1,910	15,000	1,97,911	...			
	Total I(c) Government House	...	...	8,51,500	1,81,001	1,910	15,000	1,97,911	...			

**Proceedings of the meetings of the Imperial Delhi Committee.**

(b) SECRETARIATS.												Expenditure on these items has been authorised in anticipation of sanction to the estimates.	Sanction to pass the expenditure without estimate was applied for by Superintendent-Engineer and has been refused by this office, vide unofficial Nos. 272-A, dated 1st October 1915, and 1323-W, dated 1st October 1915.
2nd Circle.													
V.—Project Division.													
Collection of materials for Secretariat buildings.													
Constructing a portion of the foundations and basements of the Secretariat buildings.													
4	Collection of materials for Secretariat buildings.	3,04,245	93,717	...	93,752	L. 6,250	2,750	1,02,752	1,96,469	...			
5	Constructing a portion of the foundations and basements of the Secretariat buildings.	4,55,952	1,80,952	...	2,40,055	L. 50 R. 5,000	15,000	2,60,105	4,41,057	...			
6	Constructing sub-ways for the drainage piping in the Secretariat buildings.	14,464	2,778	...	6,390	...	2,500	8,390	11,688	...			
7	Excavating and filling the State approach between the Secretariat and Government House.	6,972	831	...	5,502	...	150	5,652	6,473	...			
8	Filling in Government Court	...	2,270	...	10,771	R. 150	2,000	12,921	15,191	...			
9	Front steps, walls, pavings, courts and gardens in the Secretariat buildings.	...	...	...	2,026	R. 200	1,900	4,126	4,126	...			
10	Manials, Court and Stapling.	...	...	...	80	...	900	980	980	...			
Total V.—Project Division, 2nd Circle.												...	
Total I (b) Secretariats.												...	
(c) OTHER BUILDINGS.												...	
1st Circle.												...	
II.—Project Division.												...	
Collection of materials for Indian Clerks' Quarters (June 1914).												...	
11	Collection of materials for European Clerks' Quarters (April 1915).	5,63,000	3,12,438	...	60	...	40	100	3,12,538	...			
12	Collection of materials for European Clerks' Quarters (April 1915).	3,20,766	10,815	...	1,16,152	...	...	1,16,152	1,26,967	...			
Carried over												...	

## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs. ...	Rs. ...	Rs. ...	Rs. 1,16,212	Rs. ...	Rs. 40	Rs. 1,16,252	Rs. ...			
	D. I.—BUILDINGS—contd.											
	(c) OTHER BUILDINGS—contd.											
	1st Circle—contd.											
13	II.—Project Division—contd.											
	Constructing 219 quarters for Indian Clerks :—											
	(a) Block No. 98 A, B, D, E (January 1914).	1,38,620	50,564	...	23,000	...	8,145	31,151	81,715			
	(b) Block No. 97 B, C, E (January 1914).	1,33,250	38,949	...	23,390	...	13,756	40,646	79,595			
	(c) Block No. 96 B, C (January 1914).	75,490	22,912	...	15,385	...	3,073	18,458	41,370			
	(d) Block Nos. 94 and 95 A (January 1914).	35,300	10,352	...	7,135	...	1,433	8,568	18,920			
	(e) Classes B and C (January 1914).	51,720	...	...	...	...	...	...	...			
	(f) Block No. 99 A, B (January 1914).	67,250	23,058	...	9,246	...	3,700	12,946	36,004			
		5,01,310	1,44,335	...	81,663	...	30,107	1,11,769	2,57,604			

**Proceedings of the meetings of the Imperial Delhi Committee.**

14	Constructing 722 peons' quarters (November 1914).	3,08,325	78,658	...	1,83,589	...	40,000	2,23,586	2,97,244
15	Constructing 15 European Clerks' Quarters, Class I (December 1914).	1,83,250	70,240	...	59,897	...	1,220	61,117	1,81,357
16	Constructing 7 European Clerks' quarters, Class I.	62,354	...	...	...	...	...	...	...
	Total II.—Project Division, 1st Circle.	...	...	9,74,000	4,41,357	...	71,367	5,12,724	...
	<i>2nd Circle.</i>								
	V.—Project Division.								
17	Constructing chambers for the Inaugural Stones in the Secretariat buildings.	71,000	...	...	14,209	R. 855	2,000	17,064	17,064
	Total V.—Project Division	...	...	...	14,209	855	2,000	17,064	...
	VI.—Project Division.								
18	Filling in the Viceroy's Court (September 1914).	1,09,500	3,051	...	12,258	...	5,000	17,258	20,309
19	Collection of materials for Gazetted Officers' bungalows (August 1914).	2,52,424	13,457	...	1,163	R. 64	...	1,227	14,684
20	Construction of one set of servants quarters for Class IV Gazetted Officers' bungalows (June 1915).	3,481	...	...	1,414	...	2,000	3,414	3,414
	Carried over	...	...	...	14,835	64	7,000	21,899	...

Estimate sanctioned  
by the Government  
of India.

## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs. ...	Rs. ...	Rs. ...	Rs. 14,835	Rs. 64	Rs. 7,000	Rs. 21,899	Rs. ...			
	D. I.—BUILDINGS—concl'd.											
	(c) OTHER BUILDINGS—concl'd.											
	2nd Circle—contd.											
	VI.—Project Division—concl'd.											
21	Construction of Gazetted Officers' bungalows :—											
	(a) Design A 278-279 (September 1914).	24,310	18,491	...	2,823	R. 15	200	3,038	21,529			
	(b) Design A 285 (September 1914).	22,950	14,855	...	5,618	R. 4	200	5,823	20,677			
	(c) Design A 281 (August 1914).	21,650	14,984	...	5,198	R. 4	200	5,402	20,386			
	(d) Design A 354 (September 1914).	25,220	21,118	...	2,127	R. 6	200	2,333	23,440			
	(e) Design A 353 (September 1914).	22,800	17,924	...	1,769	R. 4	200	1,973	19,297			

Proceedings of the meetings of the Imperial Delhi Committee.

22	(C) Design A 283 (September 1914).	22,850	15,126	...	5,895	R. 4	200	5,599	20,725
		1,99,280	1,01,893	...	22,980	R. 37	1,200	24,167	1,26,060
23	Constructing foundations of the railings, fountains, water basins, etc., in the Viceroy's Court (August 1915).	80,280	...	...	21,925	R. 10 L. 1,455	10,000	33,390	33,390
		...	...	...	10,111	...	15,000	25,111	25,111
24	Total VI.—Project Division	...	...	2,76,000	69,801	1,566	33,200	1,04,567	...
		...	...	2,76,000	84,010	2,421	35,200	1,21,631	...
25	Total 2nd Circle	...	...	...	5,524	...	...	5,524	...
		13,086	...	...	2,285	...	...	2,285	...
26	Completed works as per last month's Progress Report.	...	...	10,400	7,809	...	...	7,809	...
		...	...	12,80,900	5,33,176	2,421	1,08,587	6,42,164	...
27	Total I. (c) Other Buildings	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...

Rs. 3,213 have also been spent on constructing foundations for the central column which is included under D.—VIII Stock and Suspense.

Estimate gone up to the Government of India for sanction. Imperial Delhi Committee have authorized expenditure up to Rs. 30,000, vide their No. 1180, dated 19th August 1915.



## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D. II.—COMMUNICATIONS. <i>2nd Circle.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	IV.—Project Division.											
26	Road surface treatment (March 1914).	10,500	10,605 (E. 9,676)	...	30	6	...	36	10,641			Revised estimate under consideration in this office.
27	Completing earthwork in the avenue C to W. (September 1914.)	10,000	5,924	...	688	...	...	688	6,612			
28	Providing a soling coat for the Central road A. C. i.e., from forecourt to reservoir. (January 1915).	11,792	1,478	...	4,362	...	...	4,362	5,840			
29	Earthwork and soling for permanent roads. (November 1914).	4,94,766	1,09,489	...	1,12,497	1,243	10,080	1,23,770	2,88,259			
30	Metalling the road D. G. round Government House up to the junction with the Crescent road.	18,800	...	...	10,416	932	7,260	18,628	18,628			

Proceedings of the meetings of the Imperial Delhi Committee.

		18,035	...	...	1,286	5,000	20,788	20,788	20,788	Excess over 5 per cent., vide remarks against item No. 31 of the last month's Progress Report.
31	Providing full width wearing coat for part of road I D round D. R. E. and part of road E. F. in order to divert the traffic of Kutab Road.	...	...	...	...	700	3,392	...	...	
32	Minor works.	...	...	...	...	22,930	1,71,504	...	...	
	Total IV.—Project Division, 2nd Circle.	...	...	...	3,497	...	...	...	...	
	<i>Arboricultural Division.</i>									
33	Planting trees along certain roads and within the court- yard of Indian Clerks' quarters	5,693	...	...	...	...	...	...	...	
	D II	...	...	...	...	...	...	...	...	
	D III	597	...	...	...	...	...	...	...	
	Total Arboricultural Division.	...	...	...	...	...	...	...	...	
	Total D.-II.—Communications.	...	...	...	3,497	22,980	1,71,504	...	...	
	D.-III.—MISCELLANEOUS PUBLIC IMPROVE- MENTS.									
	<i>1st Circle.</i>									
	II.—Project Division.									
34	Levelling operations in Purana Kila (December 1914).	29,812	28,817	...	6,036	1,600	7,036	35,853	...	Completed. Estimate being revised.
35	Filling nullah outside } Gross Delhi Gate (January 1915) Revised esti- } Net mate.	34,778	19,694	...	5,619	800	6,419	26,113	...	Completed.
36	Providing roads and footpaths in Indrapat Fort (May 1915).	26,278	...	...	1,460	500	1,960	1,960	...	
37	Minor Works	7,910	...	...	...	...	365	...	...	
	Total II Project Division	...	...	...	13,480	2,300	15,780	...	...	

## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D.-III.—MISCELLANEOUS PUBLIC IMPROVEMENTS—contd.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	1st Circle—contd.											
	I.—Project Division.											
38	Improvement to the Gurdwara bungalow and construction of garden adjacent thereto—											
	I Division . . . . . 2,672	2,672										
	Arb. Division . . . . . 10,381	10,381										
		13,053	...	...	...	...	200	200	200			
		13,053	...	...	...	...	200	200	200			
	Total I.—Project Division	...	...	2,600	...	...	200	200	...			
		...	...	76,820	13,480	...	2,500	15,980	...			
	Total 1st Circle	...	...	76,820	13,480	...	2,500	15,980	...			

**Proceedings of the meetings of the Imperial Delhi Committee.**

[illegible]

## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1916—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D.-VII.—TOOLS AND PLANT <i>1st Circle.</i>	Rs.			Rs.	Rs.	Rs.	Rs.	Rs.			
	I.—Project Division.											
45	Purchasing 4 travelling cranes required in connection with the manufacture of reinforced concrete beams (January 1915.)	8,000	...	...	6,753	...	200	6,953	6,953			
46	Repair and Carriage of Tools and Plant during 1915-16 (April 1916.)	1,600	...	...	583	...	20	603	603			
	Total I.—Project Division	25,600	...	8,000	7,536	...	220	7,556	...			
	II.—Project Division.											
47	Purchase of tip wagons for 2' gauge line.	24,000	21,829	...	...	645	...	645	22,474	Transferred to III Division for completion. Certain Railway adjustments remain to be effected.		
48	Completed items as per last month's Progress Report.	30,406	...	...	160	...	...	160	...			

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	400	...	...	287	...	...	287	...	287	...	287	...
49 Repairs and Carriage of Tools and Plant for 1915-16 (May 1916).	25,600	...	...	387	645	...	1,042	...	...	...	...	...
Total II.—Project Division	...	...	2,000	...	645	...	8,593	...	...	...	...	...
Total 1st Circle	...	...	10,000	7,783	645	220	...	...	...	...	...	...
2nd Circle												
III.—Project Division.												
50 Light Railway Locomotives, Rolling Stock, etc.	10,06,365	9,72,473 (Rs. 4,25,284)	...	2,876	R. 894 L. 222 Rs. 18,000	...	21,992	...	9,94,465	...	...	...
51 Purchase of 2 shunting Locomotives.	19,000	...	...	18,200	...	...	18,200	...	18,200	...	...	...
52 Small Tools and Plant required in the construction of New Capital.	1,63,097	89,852 (Rs. 25,018)	...	22,448	R. 5,292 L. 5,028	...	32,768	...	1,22,620	...	...	...
53 Purchase of 400 tip wagons and 7 miles of 14 lbs. track.	93,297	82,824 (Rs. 28,234)	...	658	...	...	658	...	83,482	...	...	...
54 Purchase of 15 steam road rollers.	1,32,000	1,06,499 (Rs. 92,512)	...	20	L. 467 Rs. 4,750	...	5,287	...	1,11,736	...	...	...
55 Completed items as per last month's Progress Report.	9,526	...	...	1,402	...	...	1,402	...	...	...	...	...
56 Collecting materials for the construction of Bari Harauli Railway. D.IX.	1,63,000 58,000	93,492 ...	...	16,571 ...	...	...	16,571 ...	...	1,10,068 ...	...	...	...
Carried over	...	...	...	62,175	34,653 (Rs. 28,042)	...	96,828	...	...	...	...	...

Completed in September 1915. Completion Report is being passed on to Audit Officer by Superintending Engineer, 2nd Circle.

Some English adjustments are awaited.

Ditto.

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## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	D.VII.—TOOLS AND PLANT—contd.	...	...	...	62,175	34,658	...	96,828	...			
	2nd Circle—contd.					(Rs. 28,042)						
	III.—Project Division—contd.											
57	Constructing Bari Barauli Railway. { D.VII . D.IX .	4,300 1,12,700	1,786 ...	... ...	453 ...	... ...	... ...	453 ...	2,239 ...			
58	Purchase of tramway track and tipping wagons.	1,23,000	22,154	...	52,973	R. 46 L. 55,088	...	1,08,067	1,30,211	...	...	Excess over 5 per cent., vide remarks against item 58 of the last month's Progress Report.
59	Purchase of Switches and Crossings for the light Railway plant.	16,674	...	...	4,496	...	...	4,496	4,636			
60	Maintenance of steam road rollers during 1915-16.	...	...	...	9,501	...	...	9,501	9,501	...	...	Imperial Delhi Committee's sanction to the estimate is awaited.

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61	Purchasing 3' sentinel steam watering carts.	36,900	...	...	...	37,046	...	37,046	37,046	...	...	Completed in September 1915. Superintending Engineer, II Circle, is being asked to expedite the submission of the Completion Report.
62	Repairs and Carriage of Tools and Plant during 1915-16.	1,400 25,600	...	...	...	530	...	530	530	...	...	
63	Minor works . . .	...	...	...	...	6,486	...	6,486	...	...	...	
	Total III.—Project Division .	...	...	2,88,960 (E. 24,000)	89,737 (E. 28,042)	1,73,550	...	2,63,267	...	...	...	
	IV.—Project Division.											
64	Repairs and carriage of Tools and Plant during 1915-16.	400 25,600	...	...	...	192	...	192	192	...	...	
	Total IV.—Project Division .	...	...	3,500	...	192	...	192	...	...	...	
	V.—Project Division.											
65	Purchase of further tip wagons and tramway plants 2' 6" gauge.	25,560	24,780	...	E. 200	349	...	549	25,329	...	...	The Executive Engineer has been asked to close the estimate and submit Completion Report.
66	Repairs and Carriage of Tools and Plant for 1915-16.	250 25,600	...	...	...	71	...	71	71	...	...	
67	Purchase of spare parts to replace breakage, etc., in the existing tramway plants.	7,000	3,379	...	...	1,088	100	1,188	4,567	...	...	
68	Minor works . . .	...	...	...	...	68	...	68	...	...	...	
	Total V.—Project Division .	...	...	4,400	260	1,576	100	1,876	...	...	...	



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## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
69	D.-VII.—TOOLS AND PLANT — contd.											
	2nd Circle—contd.											
	VI.—Project Division.											
	Repairs and Carriage of tools and plant during 1915-16 (April 1915).	400 25,600	...	...	187	R 81	...	218	218			
	Total VI.—Project Division.	...	...	400	187	81	...	218	...			
	Total II.—Circle	...	...	2,97,250 (E. 24,000)	1,75,505	89,968 (E. 28,042)	100	2,85,573	...			
70	Electrical Division.											
	Purchases of cranes . . .	49,203	42,845 (E. 40,181)	...	1,018	...	...	1,018	48,863			
71	Purchase of rock drilling machines	22,473	17,904 (E. 16,695)	...	121	...	...	121	18,025			

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72	Purchase of stone breaking plant.	2,23,004	1,99,632 (1,16,522)	...	726	...	...	...	726	2,00,358
73	Purchase of 6 Smith's concrete mixers.	39,241	34,125 (E. 28,934)	...	265	...	...	...	265	34,390
74	Purchase of mortar mills. { D.-VII D.-IX	72,546 11,868	... 64,819 (E. 41,479)	...	... 4,817	...	...	...	... 4,817	... 69,686
75	Purchase of additional mortar mills. { D.-VII D.-IX	69,720 10,357	... 64,791 (E. 42,924)	...	... 4,866	...	...	...	... 4,866	... 69,457
76	Repair shop { D.-VII D.-IX	56,483 16,200	... 52,567 (E. 28,040)	...	... 1,223	...	...	...	... 1,223	... 53,790
77	Stone cutting and dressing plant, 69,300, and small tools and plant for above 6,000.	75,300	...	...	9,437 (E. 8,178)	(E. 35,970)	...	...	45,407	45,407
78	Repairs and Carriage of Tools and Plant during 1915-16.	20,000 25,600	...	...	11,562	...	...	...	11,562	11,562
79	Minor works	...	...	...	1,192	...	200	...	1,392	...
	Total Electrical Engineer	...	...	2,60,152 (E. 1,71,000)	35,027 (E. 8,178)	(E. 35,970)	200	...	71,197	...
80	Chief Engineer. Additional Survey and Mathematical Instruments.	6,000	5,130	...	487	52	...	...	539	5,669
81	Repairs and Carriage of Tools and Plant during 1915-16.	700 25,600	...	...	6	...	...	...	6	6
	Total Chief Engineer	...	...	770	493	52	...	...	545	...

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## DELHI PROJECT DIVISION—contd.

## Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	D.-VII.—TOOLS AND PLANT— <i>concl.</i>											
	Superintendent, Arboricultural Operations.											
82	Repairs and carriage of Tools and Plant during 1915-16.	250	...	...	55	...	...	55	55			
	Total Arboricultural Division.	25,600	...	250	55	...	...	55	...			
	Deputy Sanitary Commissioner.											
83	Repairs and carriage of Tools and Plant for 1915-16 (April 1915).	200	...	...	124	...	...	124	124			
	Total Deputy Sanitary Commissioner.	25,600	...	200	124	...	...	124	...			
	Total D.-VII.—Tools and Plant	...	...	5,68,632 (E. 1,95,000)	2,18,937 (E. 8,178)	1,26,685 (E. 64,012)	520	3,46,092	...			

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D.-IX.—MISCELLANEOUS.										
1st Circle.										
I.—Project Division.										
84	Temporary Water Supply (August 1913) Original. Supplementary	5,60,000 9,655	5,56,378 ...	...	24,833 3,845	L. 42 R. 330	100 500	24,975 4,725	5,81,653 4,725	Excess within 5 per cent. work almost complete.
85	Constructing latrines of bricks in mud for labour population of New Capital (June 1915).	8,060	...	...	3,680	...	50	3,710	13,210	...
86	Shedding for manufacture of reinforced concrete pipes, beams, lintels, etc. (January 1915).	13,000	9,500	...	3,680	...	50	3,710	13,210	Revised estimate received from Superintendent of Works and is under consideration.
87	Laying C. I. Pipes in Indian Clerks' quarters. D.-IX.	3,483	...	...	2,853	...	24	2,877	2,877	Estimates not yet sanctioned by the Imperial Delhi Committee. Payment of bills up to Rs. 14,500 authorised by Imperial Delhi Committee, vide their No. 1188, dated the 19th August 1915.
88	Laying 3" C. S. Main in block No. 111, European Clerks' and Officers' bungalows. D.-VI.	588 4,841 (Unsanctioned).	...	...	301	...	22	393	393	...
Carried over		...	...	...	35,552	422	696	36,670	...	...

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DELHI PROJECT DIVISION—*contd.*Progress Report for the month ending 30th September 1915—*contd.*

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs. ...	Rs. ...	Rs. ...	Rs. 35,562	Rs. 422	Rs. 696	Rs. 36,670	Rs. ...			
D.-IX.—MISCELLANEOUS— <i>contd.</i>												
1st Circle— <i>contd.</i>												
I.—Project Division— <i>contd.</i>												
89	Minor works	...	...	...	1,889	40	350	2,279	...			
90	Completed works as per last month's progress report.	72	...	...	4	...	...	4	...			
	Total I.—Project Division	...	...	38,390	97,445	462	1,046	98,953	...			

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91	II.—Project Division. Camps for Engineering staff for 1914-15 (August 1914). II Division . . 21,542 Electrical Engineer 3,684 25,226	21,542 25,226	60,221	...	483	...	...	483	...	60,704	...	...	Completed. Completion Report is being dealt with in Superintendent of Works office. Excess due to an adjustment of Rs. 40,631 in the 2nd Supplementary accounts on account of cost of tents supplied by the Army Department which was not provided in the estimate.
92	Preparing Camps for 3 Assistants to the Delhi Architects, 1914-15 (supplementary to above estimate).	670	252	...	59	...	...	59	...	311	...	...	Completed. Completion Report is being dealt with in Superintendent of Works' office.
93	Installation of a temporary pumping installation in Bela. { Net Gross	18,100 82,988	4,515	...	1,372	...	300	1,672	...	6,187	...	...	
94	Completed works as per last month's progress report.	7,754	284	...	7,516	...	...	7,516	...	7,750	...	...	
95	Minor Works . . .	...	...	...	2,598	...	4,262	6,858	...	...	...	...	
	Total II.—Project Division .	...	...	6,550	12,026	...	4,562	16,588	...	...	...	...	
	Total I Circle .	...	...	44,940	49,471	462	5,608	55,541	...	...	...	...	

## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	D.-IX--MISCELLANEOUS— contd.											
	2nd Circle.											
	III.—Project Division.											
96	Laying 35½ miles of 4½ lbs. materials (2½ 6" gauge).	1,90,853	1,68,926	...	17, 12	{ R. 1,462 } L. 1,538	...	18,107	1,87,033			
97	Collection of materials for the construction of Bai-Barauli Railway.	68,000 1,63,000	1,765	...	44,067	R. 3,771	...	47,838	49,803			
98	Constructing Bari-Barauli Railway.	1,12,700 4,300	14,744	...	36,990	R. 2,019 L. 80	1,500	40,539	55,333			

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		20,841	...	...	21,394	...	...	850	21,394	21,394	Completed in September 1915. Superintendent Engineer is being asked to expedite the Completion Report.
99	Constructing 64 additional cooly lines at the new brick-field.	20,841	...	...	21,394	...	...	850	21,394	21,394	
100	Constructing quarters for Sub-Divisional Officer and Subordinates at Barauli.	24,991	...	...	...	...	...	850	850	850	
101	Construction of a rest-house at Barauli.	6,505	...	...	...	...	200	200	200	200	
102	Minor works . . .	...	...	...	4,898	...	...	4,898	4,898	...	
103	Completed items as per last month's Progress Report.	3,894	...	...	3,894	...	...	3,894	3,894	...	
	Total III.—Project Division .	...	...	1,92,350	1,28,355	6,865	2,550	1,37,770	...	...	
	IV.—Project Division.										
104	Surveying expenses, Roads and Irrigation (April 1915).	24,712	19,328	...	2,105	7	200	2,312	21,640	21,640	
105	Removing Khushak Bund (March 1914).	33,763	23,931	...	938	...	...	938	24,269	24,269	
106	Removing the mounds on the east of Kutab Road (February 1914).	16,687	4,279	...	4,581	54	500	5,135	9,414	9,414	
107	Clearing villages from New Capital site (April 1915).	7,150	...	...	2,000	...	1,540	3,540	3,540	3,540	
108	Preparation of ground (Nett south of Central buildings (June 1914). (Gross	1,26,000	59,509	...	30,960	682	2,120	38,762	98,271	98,271	
109	Dismantling and clearing Arab Sarai village (September 1914).	9,848	3,766	...	1,046	...	...	1,046	4,812	4,812	
	Carried over .	...	...	...	41,630	743	4,360	46,733	...	...	



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DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs. ...	Rs. ...	Rs. ...	Rs. 41,630	Rs. 743	Rs. 4,330	Rs. 43,733	Rs. ...			
	D-IX.—MISCELLANEOUS— contd.											
	2nd Circle—contd.											
	IV.—Project Division—contd.											
110	Removing field boundaries and filling Nullahs in the area enclosed by the ridge and the point I. D. B. A. (February 1914).	3,63,800	2,97,587	...	56,433	654	4,987	62,074	3,59,661			
111	Preparation of sites between plots, No. 120-23, 137-24, etc. (May 1914).	1,01,600	77,206	...	1,648	67	100	1,815	79,021			
112	Preparation of grounds in the area D. X. C. J. (July 1914).	2,32,000	74,386	...	75,439	3,323	18,950	97,712	1,72,108			
113	Removing 5 mounds on line B. D. (July 1914).	22,000	13,562	...	4,901	...	100	5,001	18,563			

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114	Diverting { Revised Khushak Nullah { Supplementary (March 1916).	21,522 9,331 30,853	4,364	...	14,573	1,185	10,000	25,758	30,122	
115	Service Road 80-81 connecting Kutab Road with road T. E. vide Gurgaon Road (October 1914).	5,637	2,037	...	687	...	...	687	2,724	
116	Levelling blocks 18, 12 to 15, 24, 4, 22, 16, 138 to 142, 5 to 7 and a portion of block 169 (September 1915).	1,38,850	...	...	...	...	11,300	11,300	11,300	
117	Minor works	...	...	...	2,904	...	228	3,132	...	
Total IV.—Project Division		...	...	2,49,160	1,98,215	5,972	50,025	2,54,212	...	
V.—Project Division.										
118	Lowering Raisina Hill { Gross. down to R.L. 728 { Nett.	2,06,850	2,39,370	...	1,632	R150	...	1,782	2,35,652	
119	Lowering site north { Gross and south of Rai- { sina Hill. { Nett	86,850	1,04,426	...	-4,351	R150	...	-4,201	1,00,225	
		2,00,000	1,03,815	...	61,384	R4,600	4,000	69,984	1,73,799	Revised estimate is under consideration in Chief Engineer's office.
		99,000	77,946	...	50,304	R4,600	4,000	58,904	1,36,850	
120	Preparation of scale model of the layout and public build- ings.	18,275	7,534	...	1,466	...	200	1,666	9,200	
121	Experimental walling, etc.	29,900	21,749	...	2,008	R70	500	2,578	24,327	
122	Shedding on works	60,600	60,014	...	1,637	R160	...	1,797	61,811	Adjustment of Rs. 160 on original estimate awaited.
122(a)	Do. supply	5,050		...	2,435	...	...	2,435	...	
123	Minor works	...	...	...	...	...	...	...	...	
Total V.—Project Division		...	...	50,000	53,469	4,980	4,700	63,179	...	

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## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Superintending Engineer.	Remarks by Chief Engineer.	
1	2	3	4	5	6	7	8	9	10	11	12	13
	<b>D. IX.—MISCELLANEOUS— contd.</b>											
	<b>VI.—Project Division.</b>											
124	Levelling site of Government House to R. L. Nett 714'00 (January 1915).	26,775	18,645	...	140	R. 7	3,000	3,147	21,792			
125	Levelling site north and south of Government House (May 1915).	57,286	...	...	5,428	...	2,000	7,428	7,428			
126	Completed works . . . .	"	...	...	10	...	...	10				
127	Minor works . . . .	...	...	...	1,261	...	60	1,321				
	<b>Total VI.—Project Division .</b>	...	...	15,100	6,839	7	3,060	11,966				



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## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D.-IX.—MISCELLANEOUS— <i>concd.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	<i>Sanitary Engineer.</i>											
136	Survey expenses, water-supply and sewage . . . .	12,100	6,129	...	1,783	...	...	1,783	7,912			
	Total Sanitary Engineer . .	...	...	2,000	1,783	...	...	1,783	...			
	<i>Deputy Sanitary Commissioner</i>											
137	Minor works . . . .	...	...	...	97	...	...	97	...			
	Total Deputy Sanitary Commissioner . . . .	...	...	2,000	97	...	...	97	...			
	Total D.-IX.—Miscellaneous . .	...	...	5,93,100	4,59,954	30,208	69,188	5,58,745	...			

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## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 30th September 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D. X.—MAINTENANCE DURING CONSTRUCTION — <i>concl.</i> 2nd Circle— <i>concl.</i> IV.—Project Division.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
144	Maintenance of roads during 1915-16.	32,164	...	...	9,879	14	3,040	12,933	12,933			
145	Minor works . . .	...	...	...	1,228	...	210	1,438	...			
	Total IV.—Project Division	...	...	25,500	11,107	14	3,250	14,371	...			
	V.—Project Division.											
146	Minor works . . .	...	...	...	520	...	100	620	...			
	Total V.—Project Division .	...	...	1,500	520	...	100	620	...			
	VI.—Project Division.											
147	Minor works . . .	...	...	...	184	...	...	184	...			
	Total VI.—Project Division .	...	...	200	184	...	...	184	...			
	Total 2nd Circle .	...	...	73,200	70,714	164	3,850	74,228	...			

**Proceedings of the meetings of the Imperial Delhi Committee.**

148	Superintendent, Arboricultural Operations.	15,068	...	...	5,970	...	...	5,970	...	...
	Maintenance of Arboricultural Nursery during 1915-16 (April 1915).		...	...	5,970	...	...	5,970	...	...
149	Minor works . . .	...	...	...	1,063	...	...	1,063	...	...
	Total Superintendent, Arboricultural Operations.	...	...	20,300	7,033	...	...	7,033	...	...
150	Electrical Engineer.									
	Running of the electrical construction plant, { Gross	57,125								
	during 1915-16. { Net	20,000	...	...	15,834	...	...	15,834	...	...
151	Minor Works . . .	...	...	...	2,268	...	...	2,268	...	...
	Total Electrical Engineer .	...	...	27,000	18,102	...	...	18,102	...	...
152	Deputy Sanitary Commissioner.									
	Sanitation and conservancy arrangements, during 1915-16 (April 1915).	18,500	...	...	9,307	...	...	9,307	9,307	...
153	Upkeep of Hospital and Dispensary (April 1915).	4,700	...	...	3,432	119	...	3,551	3,551	...
154	Completed item as per last month's Progress Report.	1,500	...	...	1,515	...	...	1,515	...	...
	Total Deputy Sanitary Commissioner.	...	...	23,000	14,254	119	...	14,373	...	...
	Total D.-X.—Maintenance during construction.	...	...	1,80,000	1,41,317	1,340	8,302	1,50,959	...	...



## Proceedings of the meetings of the Imperial Delhi Committee.

DELHI PROJECT DIVISION—concl'd.  
Progress Report for the month ending 30th September 1915—concl'd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Cutlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	ABSTRACT.											
	D.-I.—(a) Government House	Rs. ...	Rs. ...	Rs. 3,51,500	Rs. 1,81,001	Rs. 1,910	Rs. 15,000	Rs. 1,97,911	Rs. ...			
	(b) Secretariat . .	Rs. ...	Rs. ...	Rs. 7,01,150	Rs. 3,58,576	Rs. 11,650	Rs. 25,200	Rs. 3,95,426	Rs. ...			
	(c) Other buildings .	Rs. ...	Rs. ...	Rs. 12,60,900	Rs. 5,33,176	Rs. 2,421	Rs. 1,06,567	Rs. 6,42,164	Rs. ...			D.-VIII.—Stock and suspense. Debit on stock to end of August 1915 against the limit of Rs. 13 lakhs is Rs. 10,81,195,
	D.-II.—Communications .	Rs. ...	Rs. ...	Rs. 2,07,800	Rs. 1,45,027	Rs. 3,497	Rs. 22,980	Rs. 1,71,504	Rs. ...			The net expenditure during the year up to August 1915 is Rs. 1,21,953 excluding Rs. 3,213 debited to miscellaneous advances as noted against item No. 22 pending receipt of contribution from His Highness the Maharaja of Jaipur.
	D.-III.—Miscellaneous Public Improvements.	Rs. ...	Rs. ...	Rs. 1,05,500	Rs. 17,488	Rs. 5,616	Rs. 2,500	Rs. 25,604	Rs. ...			
	D.-VI.—Sanitation, etc.	Rs. ...	Rs. ...	Rs. ...	Rs. 12,016	Rs. ...	Rs. 254	Rs. 12,270	Rs. ...			
	D.-VII.—Tools and Plant .	Rs. ...	Rs. ...	Rs. 5,68,632 (Rs. 1,95,000)	Rs. 2,18,937 (Rs. 1,78)	Rs. 1,23,635 (Rs. 64,012)	Rs. 520	Rs. 3,46,082	Rs. ...			

Proceedings of the meetings of the Imperial Delhi Committee.

D-IX.—Miscellaneous	...	...	5,33,100	4,59,354	30,208	69,183	5,58,745	...
D-X.—Maintenance during construction.	...	...	1,80,000	1,41,317	1,340	8,302	1,50,959	...
Total	...	...	39,68,582 (£1,95,000)	20,66,892 £8,178	1,83,277 £64,012	2,50,506	25,00,675	...
Add Minus Reserve	...	...	-10,00,151	...	...	...	...	...
Grand Total excluding D-VIII—Stock and Suspense.	...	...	29,68,431 (£1,95,000)	20,66,892 £8,178	1,83,277 £64,012	2,50,506	25,00,675	...
Ditto	{ English Indian }	...	1,95,000	8,178	64,012	...	72,190	...
	{ English Indian }	...	27,73,431	20,58,714	1,19,265	2,50,506	24,28,435	...
Add for D-VIII.—Stock and Suspense.	{ English Indian }	...	1,75,000	...	23,767	...	23,767	...
	{ English Indian }	...	-1,75,000	1,25,163*	21,841	...	1,47,007	...
Grand Total	{ English Indian }	...	3,70,000	8,178	87,779	...	95,957	...
	{ English Indian }	...	25,98,431	21,83,880	1,41,106	2,50,506	25,75,492	...
	...	...	29,68,431	21,92,058	2,28,885	2,50,506	26,71,449	...

\*Amount debited to Miscellaneous advances as noted against item No. 22.

The figure of expenditure on stock seems to be incorrect and is being enquired into. It does not agree with Audit Officer's figures.

## Proceedings of the meetings of the Imperial Delhi Committee.

## No. 9. Return of Minor Works sanctioned by the Chief Engineer during the month of October 1915.

Serial No.	Number of estimate.	Name of work.	Head of classification	Amount of estimate.	Project item.	REMARKS.
		Brought forward		Rs. 93,616		
1	121 of 1915-16.	Providing new wooden floors to 20 of the broad gauge wagons received from the Lower Bari Doab Canal.	D-VII	4,200	D-VII K (iii)	
2	122 of Do.	Maintenance of the Gurdwara garden during the year 1915-16.	D-X	2,342	D (iii)	
3	123 of Do.	Maintenance and repairs to three steam watering carts during the year 1915-16.	D-VII	1,074	D VII K (iii)	
4	124 of Do.	Providing electric lights on the office rooms added to the Architects' quarters at Raisina.	D-IX	385	D-IX G.	
5	125 of Do.	Making a two seated latrine in Safdarjang dispensary.	D-IX	62	D-IX F.	
6	126 of Do.	Providing water-supply for the peons' quarters in block No. 85.	D-VI D-IX	2,854*	D-VI (iii) & D-IX (E)	*D-VI 2,291 D-IX 563
7	127 of Do.	Annual repairs to the Indian Clerks' Quarters during 1915-16.	D-X	4,823	D-X (i)	
8	129 of Do.	Testing Baoli at Kutab villas	D-IX	122	D-IX (A)	
9	131 of Do.	Maintenance of broad gauge sidings at Delhi Sadar during 1915-16.	D-X	2,467	D-X (unforeseen).	
10	133 of Do.	Constructing drinking troughs for animals along the new diversion of the Kutab Road.	D-IX	173	D-IX G.	
11	135 of Do.	Renewal of matting latrines at Sunahri Bagh cooly lines.	D-X	230	D-X (vii)	
12	139 of Do.	Purchase of conservancy plant	D-IX	2,600	D-IX F(iv)	
13	140 of Do.	Clearing well and baoli at Indrapat Fort.	D-III	587	D-III A(ii)	
14	146 of Do.	Providing furniture for the English Architects office at Raisina.	D-VII	1,064	D-VII (i)	
Total for October 1915				22,983		
GRAND TOTAL				1,19,599		
Total to end of last year				2,47,245		
GRAND TOTAL				3,66,844		

Abstract for October 1915.

Abstract.

Abstract to the end of October 1915.

D-III	.	.	.	.	.	Rs. 587
D-VI	.	.	.	.	.	2,291
D-VII	.	.	.	.	.	6,338
D-IX	.	.	.	.	.	3,905
D-X	.	.	.	.	.	9,862
Total	.	.	.	.	.	22,983

D-II	.	.	.	.	.	Rs. 2,726
D-III	.	.	.	.	.	3,626
D-VI	.	.	.	.	.	2,291
D-VII	.	.	.	.	.	14,801
D-IX	.	.	.	.	.	37,081
D-X	.	.	.	.	.	59,124
Total	.	.	.	.	.	1,19,599

**Proceedings of the 93rd meeting of the Imperial Delhi No. 10.  
Committee held at Raisina on 3rd December 1915.**

**PRESENT :**

The Hon'ble Mr. W. M. HAILEY, C.S.I., C.I.E., I.C.S., }  
Chief Commissioner, Delhi. } *President.*  
Mr. H. T. KEELING, C.S.I., Chief Engineer, Delhi.  
Mr. G. RAINY, I.C.S., Financial Member.  
Mr. W. H. NICHOLLS, Architect Member.  
Mr. G. F. DEMONTMORENCY, C.I.E., I.C.S., Secretary.

1. The proceedings\* of the 92nd meeting were confirmed.
2. Considered an estimate† amounting to Rs 29,500 for the construction of a residence for an officer of class III according to design A-899. Resolved that the estimate be sanctioned.  
\*Pro. No. 7, *supra*.  
†Pro. December 1915, No. 30-39, A, file 35.
3. Considered an estimate‡ amounting to Rs. 4,659 for the construction of back service roads in plot 112. Resolved that administrative approval be conveyed.  
‡Pro. December 1915, No. 33, B, file 297.
4. Considered letter§ No. 136-M.D., dated 23rd November 1915, from the Deputy Secretary to the Government of India, Public Works Department, forwarding the project report and estimates of the Delhi realignment survey. Resolved that the Chief Engineer be asked to examine the estimates with reference to the proposal that the works comprised in section No. 1 should be undertaken by the Chief Engineer of the Imperial Delhi Committee. Resolved that the attention of the Government of India be drawn to the necessity of providing a footway at the proposed railway station and to the necessity of arranging for the removal of a portion of the Great Indian Peninsula Locomotive yard in the next financial year.  
§Pro. December 1915, No. 40, A, file 326.
5. The layout of the Educational buildings was discussed and a plan A-906 approved for submission to the Government of India.
6. Considered an estimate|| amounting to Rs. 1,781 for the construction of a siding at Nizamuddin station in connection with the delivery of coal to the brickfields. Resolved that administrative approval be given to the estimate.  
||Pro. December 1915, No. 34, B, file 297.
7. Considered the schedule¶ of expenditure for October 1915, received with the Audit Officer's memorandum No. 4580, dated 24th November 1915. Resolved that the schedule be recorded.  
¶Pro. December 1915, No. 1, B, file 45.
8. The question\*\* of the retention of the engineering staff, attached to the Land Acquisition Officer, was considered. It was decided to retain the establishment consisting of 1 Overseer, 2 Chaprasies and 2 Khalasies from 31st December 1915 to 31st March 1916, at an estimated cost of Rs. 363 for the period.  
\*\*Pro. December 1915, No. 16, A, file 29.
9. Considered a letter†† No. 152-B D., dated 2nd November 1915, from the Deputy Secretary to the Government of India, Public Works Department. Resolved that enquiries be made from the Government of India whether 1/2 scale drawings of the Central buildings followed by completion plans would suit their requirements.  
††Pro. November 1915, No. 17, A, file 14.
10. Considered an estimate‡‡ amounting to Rs. 3,275 for constructing the north and south road in block 111. It was resolved to grant administrative approval.  
‡‡Pro. December 1915, No. 35, B, file 297.

ESTABLISHMENT SANCTIONED FOR THE LAND ACQUISITION PROCEEDINGS  
AT DELHI.

## No. 11.

No. 320-L. A., dated Delhi, the 4th November 1915.

File  
No. 29.

From—The Special Land Acquisition Officer, Delhi.

To—The Secretary, Imperial Delhi Committee, Delhi.

The menial establishment of the Land Acquisition office apply for an increase in their pay and I have the honour to propose that each of the peons and the office chowkidar may be granted a monthly increment of Rs. 2 as shown in the accompanying proposition statement. \* This will raise the

\* Pro. No. 12, *infra*.

monthly pay :—

- (a) of each of the 7 peons (Nos. 1 to 7) to Rs. 9 as sanctioned for the offices of the Deputy Commissioner and District Judge, *vide* Personal Assistant to Chief Commissioner's No. 5194

Not printed.

(Financial), dated 3rd August 1915, to the Audit Officer, Delhi Province, and

- (b) of the Special Pleader's peon and the office chowkidar (Nos. 8 and 9) to Rs. 10 as they are already drawing one rupee more than those specified above, probably on the consideration that they are not allowed fixed monthly travelling allowance of Re. 1-8 like them.

2. Owing to the comparatively high cost of living in Delhi, the whole of the menial establishment deserves enhancement in pay, and I strongly recommend that it may be granted with retrospective effect from the 1st August 1915, that is, the date from which the increased rate has been granted to other establishments in the province.

The proposal, if sanctioned *in toto*, will involve a monthly expenditure of Rs. 18 only.

## No. 12.

*List of Chaprasis employed in the Land Acquisition Office.*

		Present pay.			Proposed pay.			Increment.		
		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
(1) Gopal . . .	Special Land Acquisition Officer's peon.	7	0	0	9	0	0	2	0	0
(2) Sardar Singh . . .	} Naib Thahsildar's peon. {	7	0	0	9	0	0	2	0	0
(3) Allah Dad . . .		7	0	0	9	0	0	2	0	0
(4) Kanhiya . . .		7	0	0	9	0	0	2	0	0
(5) Chimman . . .	Office peon.	7	0	0	9	0	0	2	0	0
(6) Daya Lal . . .	} Tamil Chaprasis. {	7	0	0	9	0	0	2	0	0
(7) Chand Khan . . .		7	0	0	9	0	0	2	0	0
(8) Tulla . . .	Special Pleader's peon.	8	0	0	10	0	0	2	0	0
(9) Muhmmad Said . . .	Chowkidar,	8	0	0	10	0	0	2	0	0
Total		65	0	0	83	0	0	18	0	0

**Establishment sanctioned for the land acquisition proceedings at Delhi.**

No. 1710, dated Delhi, the 27th November 1915.

**No. 13.**

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Special Land Acquisition Officer, Delhi.

With reference to your letter\* No. 320-L. A., dated 4th November 1915, proposing an increase in the pay of the menial establishment, I am directed to

\* Pro No. 11, *supra*.

say that the Imperial Delhi Committee cannot entertain the proposal unless it can be shown that the cost can be met by savings under other heads of your establishment charges.

No. 346-L. A., dated Delhi, the 2nd December 1915.

**No. 14.**

From—The Special Land Acquisition Officer, Delhi.

To—The Secretary, Imperial Delhi Committee, Delhi.

In reply to your letter† No. 1710, dated 27th November 1915, I beg to attach herewith a statement‡ showing expenditure incurred on establishment up to the end of November 1915 and the

† Pro. No. 13, *supra*.

‡ Pro. No. 15, *infra*.

probable amount of expenditure required for the remaining three months of the present financial year. From this it will be seen that there will be a saving of over Rs. 7,000 under heads A, B and C, whereas proposed increase in the pay of menial staff involves an additional sum of Rs. 18 per mensem or Rs. 126 in all up to the end of the current financial year.

*Statement showing budget estimate together with expenditure required up to No. 15. the end of the financial year 1915-16.*

Heads.	Sanctioned Budget.	Expenditure up to the end of November 1915.	Probable for next three months.	Total.	Increase or decrease.	REMARKS.
<b>A. Salaries and allowances.</b>						
(i) Gazetted officers .	33,495	22,755	6,330	29,085	+4,410	
(ii) Non-gazetted officers .	9,417	8,320	2,157	10,477	—1,060	
<b>Total</b> .	<b>42,912</b>	<b>31,075</b>	<b>8,487</b>	<b>39,562</b>	<b>+3,350</b>	
<b>B. Travelling allowances.</b>						
(i) Gazetted officers .	1,800	1,200	350	1,550	+250	
(ii) Non-gazetted officers .	1,377	970	307	1,277	+100	
<b>Total</b> .	<b>3,177</b>	<b>2,170</b>	<b>657</b>	<b>2,827</b>	<b>+350</b>	
<b>C. Supplies, services and contingencies.</b>						
Miscellaneous (including Special Pleader's and Special Engineer's contingencies.)	7,070	1,550	2,020	3,570	+3,500	
<b>Grand Total</b> .	<b>53,159</b>	<b>34,795</b>	<b>11,164</b>	<b>45,959</b>	<b>7,200</b>	

KHAZAN SINGH,  
Special Land Acquisition Officer.

**Establishment sanctioned for the land acquisition proceedings at Delhi.**

**No. 16.**

No. 1762, dated Delhi, the 7th December 1915.

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Special Land Acquisition Officer, Delhi.

In continuation of my letter\* No. 1113, dated 9th August 1915, I am directed to convey sanction to the retention up to 31st March 1916, of the following engineering establishment employed on the land acquisition work :—

\* Pro. August 1915, No. 42, A, file 29.

- 1 Overseer @ Rs. 80 per mensem *plus* Rs. 5 per mensem cycle allowance.
- 2 Chaprasis (1 for Engineer Officer and 1 for Overseer) @ Rs. 9 per mensem each.
- 2 Khalasis @ Rs. 9 per mensem each.

The Audit Officer, Delhi, has been informed.

**No. 17.**

No. 1763, dated Delhi, the 7th December 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Audit Officer, Delhi, for information.

**No. 18.**

No. 1781, dated Delhi, the 10th December 1915.

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Special Land Acquisition Officer, Delhi.

With reference to the correspondence resting with your letter† No. 346-L.A., dated 2nd December 1915, I am directed to say that the Imperial Delhi Committee sanction the following increase in the pay of the menial establishment of the Land Acquisition office with effect from the 1st August 1915 :—

†Pro. No. 14, *supra*.

	Existing pay.	Pay now sanctioned.	Increase per mensem.
	Rs.	Rs.	Rs.
1 Special Pleader's peon . . . . .	8 per mensem.	9 per mensem.	1 per mensem.
7 Chaprasis . . . . .	7 per mensem.	9 per mensem.	2 per mensem.

The Committee see no reason to give an increase to the Chowkidar whose pay should remain Rs. 8 per mensem.

2. The Audit Officer, Delhi, has been informed.

**No. 19.**

No. 1782, dated Delhi, the 10th December 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Audit Officer, Delhi, for information.

TYPE PLANS OF RESIDENTIAL BUILDINGS FOR OFFICERS IN NEW DELHI.

File  
No 35

No. 1348, dated Delhi, the 20th September 1915.

No. 20.

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Secretary to the Government of India, Public Works Department.

In continuation of my letter\* No. 1141, dated 16th August 1915, with

\* Pro., August 1915, No. 38, A, file 35.

Design A 830 1	}	Design for residence.
" A 832		
" A 833		
" A 875	}	Site plan.
" A 837		
" A 838		
" A 839	}	Design for residence.
" A 874		
" A 816		
" A 857	}	Kitchen.
" A 840		
" A 840	}	Servants' Quarters.
" A 840		
" A 840	}	Latrine.
" A 840		

5 Estimates.

† Not printed.

which type designs for residences of officers of class IV were forwarded to the Government of India, I am directed to submit for the approval of the Government of India the marginally noted designs† and estimates† dealing with two designs for officers of class II.

2. The Committee have received no special directions from the Government of India as to the accommodation which it is desired to provide for an officer of this class. Each of the present designs provide for a hall, a dining room, a drawing room, a study, two bed rooms fitted with one dressing room and two bath rooms each, one bed room and bath room and one spare room with bath room attached which can be used as a fourth bed room. The Committee venture to think that this scale of accommodation will be found to be sufficient for an officer of this class.

3. The limit of cost fixed for this class is Rs. 38,000. The estimated cost for design A 830-1 is Rs. 34,600 while that for A 837 is Rs. 35,780. Both the designs now submitted show a considerable saving in cost over the limit fixed.

Memo. No. 2479-W., dated Delhi, the 23rd September 1915.

No. 21

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee.

In continuation of my memorandum ‡ No. 2089-W., dated the 7th August

‡ Pro., August 1915, No. 37, A, file 35.

§ Not printed.

¶ Pro. No. 22, *infra*.

1915, I forward herewith the plans § and estimates § for designs A 821, 822, 823, 847 and 843 for class VI together with a note||

by Mr Nicholls in which he brings out the various points in regard to which design A 821 now submitted differs from the bungalow recently erected for the Sub-Divisional Officer, Western Jumna Canal, in Delhi. The note clearly shows that there is no essential difference as regards cost *qua* method of construction but that the difference lies mainly in finish.

A 821 is the most costly of the five designs and what Mr. Nicholls has shown with regard to that design; applies *mutatis mutandis* to the other four. The average excess over the limit is Rs. 706 and if the designs are accepted as types as the estimates stand the total excess will amount to Rs. 36,712.

This can be reduced by the elimination of certain items in the list, totalling Rs. 990, such as fly proof shutters, picture rails, tile skirtings, curtain brackets, tile sills to windows and a reduction on the amount provided for fireplaces. Whether such reduction is advisable is another matter and, personally, I am in favour of recommending their retention.

I recommend that A 821, 822 and 847 be sent up and that they may be built as estimated for to ascertain what, if any, economies can be effected during execution apart from the elimination of items of finish. The estimated excess on these three designs averages out at Rs. 670 and it is quite possible that if the height of the rooms is reduced to that in the Sub-Divisional Officer's



## Type plans of residential buildings for officers in New Delhi.

bungalow the balance of the difference, *viz.*, Rs. 258 (670-412) could be saved partly from the foundations (this would of course depend upon the site) and partly from the provisions for fireplaces and fly proof shutters. If the town and the residences therein are properly conserved fly proof shutters will not be required and personally, I would not provide them in any house in the new city until it has been proved that the conservancy thereof is sufficiently inefficient to warrant the provision.

**No. 22.** I. The Imperial Delhi Committee recently called for an investigation into the design and estimate for the Sub-Divisional Officer's bungalow, Western Jumna Canal, Delhi, in order to show wherein the difference between the cost of that bungalow and the proposed bungalows for class VI lies.

II. The amount of the estimate for the main building, Sub-Divisional Officer's Bungalow, Western Jumna Canal, was Rs. 6,890. It was found that if the Imperial Delhi Committee rates were applied to the provisions contained in the abstract estimate for this bungalow, its cost would have been Rs. 6,535, and its plinth rate 1-13-8<sup>5</sup>, the plinth area being 3,520 sq. ft.

III. Comparison with A 821, which is one of the bungalows proposed for class VI, shows that the extra cost of the latter may be attributed to five causes :—

- (a) The provision of certain items aggregating Rs. 990 which are not provided for in the Canal bungalow.
- (b) Extra work in foundations involving an excess of Rs. 780.
- (c) Extra height in rooms involving an excess of Rs. 412.
- (d) The provision in A 821 of modern sanitary fittings and a water-carriage system of drainage which accounts for an excess of Rs. 2,363.
- (e) The substitution in A 821 of better materials. The following in A 821 consisting of 3" lime concrete covered with 1½" cement concrete in the rooms, and brick paving on concrete in the verandahs involves an excess of Rs. 225 over the flooring of the Canal bungalow which is described in the abstract estimate as 'concrete' and which actually consists of lime concrete covered with the thinnest possible skimming of cement.

The use of katcha pucca masonry in A 821 instead of sundried brick in mud accounts for an excess of approximately Rs. 212 over the Canal bungalow, after the different thickness of walls is taken into account.

IV. If these items aggregating approximately Rs. 5,000 were deducted from the estimated cost of the main building A 821, *viz.*, Rs. 12,690, it would be seen that the cost would be reduced to Rs. 7,690, and the plinth rate to Rs. 2-1-0 which compares reasonably with the cost of the Canal bungalow which exceeded the estimate (Rs. 6,890), and was put at Rs. 7,851 by the Executive Engineer when the building was nearly complete (28th July 1915).

V. The economies which this comparison with the Canal bungalow suggests are not all of them feasible in the case of the class VI bungalows. We are committed to the water carriage system of drainage (d) and we cannot reduce the foundations provided in the estimate (b).

It is impossible to recommend that the height of the rooms (c) (19 feet in clear) in the class VI bungalows should be reduced if these houses are going to be occupied by Europeans—possibly with children in the hot weather.

With regard to (e), flooring such as that provided in the Canal bungalow is not likely to lead to ultimate economy. It is much more liable to crumble under wear than the better class of floor provided in A 821. Such floors, when the surface has crumbled to powder, are liable to harbour vermin and are most insanitary.

**Type plans of residential buildings for officers in New Delhi.**

With regard to (a) the various items which account for the excess of Rs. 990 are as follows :—

	Rs.
(i) Ferro concrete lintels over doors and windows . . . . .	275
(ii) Fly proof shutters . . . . .	80
(iii) Tile skirtings . . . . .	24
(iv) Painting for doors and windows . . . . .	69
(v) Picture rails . . . . .	24
(vi) Coke breeze bricks built into walls for fixing woodwork . . . . .	48
(vii) Cowl ventilators . . . . .	8
(viii) Cast iron air bricks (in W. C.'s) . . . . .	6
(ix) Finishing fireplaces . . . . .	200
(x) Side table for pantry . . . . .	8
(xi) Steps to topmost roof . . . . .	25
(xii) Holdfasts and rings for chicks . . . . .	6
(xiii) Masonry hot case in pantry . . . . .	20
(xiv) Curtain brackets . . . . .	19
(xv) Rain water spouts and pipes . . . . .	96
(xvi) Stone slabs for water to fall on . . . . .	8
(xvii) Tiled sills to windows . . . . .	10
(xviii) Forming chases and cutting away for sanitary work . . . . .	64
	<hr/> 990

Some of these items cannot be regarded as essentials ; but taken altogether they are calculated to give to the houses a certain quality of finish which their position in the New Capital appears to warrant, and the omission of which would leave them as devoid of amenities as the ordinary Canal bungalow. Personally I think the Imperial Delhi Committee should recommend designs and estimates for class VI, as they stand.

W. H. NICHOLLS.

*The 16th September 1915.*

No. 1530, dated Delhi, the 19th October 1915.

**No. 23.**

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Secretary to the Government of India, Public Works Department.

\*Pro. No. 20, *supra*.

†Not printed.

In continuation of my letter\* No. 1348,

Design A 821 for residence class VI.  
 " A 822 " " " "  
 " A 823 " " " "  
 " A 847 " " " "  
 " A 842 Kitchen.  
 " A 846 Servants' quarters, etc.  
 " A 840 Servants' latrines.

4 Site plans.

4 Estimates for residences.

1 Estimate for kitchen.

1 Estimate for servants' quarters.

1 Estimate for servants' latrine.

dated 20th September 1915, I am directed to submit the marginally noted designs† and estimates† for residences of officers of class VI.

2. The Committee have received no intimation from the Government of India as to the amount of accommodation considered suitable in the case of an officer of this class. The type designs now submitted provide various scales of accommodation. Design A 821 provides for a dining room, a drawing room and three bed rooms: one of the bed rooms has a dressing room and two bath rooms, and the other two have only one bath room each. Design A 822 provides for a dining room, a drawing room and a den. It has two bed rooms one of which has two bath rooms and the other only one. Design A 823 provides for a dining room, a drawing room and two bed rooms; one of the bed rooms has a dressing room and two bath rooms and the other a dressing room and one bath room. Design A 847 provides only one living or reception room and three bed rooms. This class of accommodation may be suitable in some cases for officers of this class on the lower scale of pay.

**Type plans of residential buildings for officers in New Delhi.**

3. A feature common to all the designs is that they exceed the project estimate figure of cost (Rs. 15,000) fixed for residence of this class. The cost of the designs is as follows:—

	Rs.
A 821 . . . . .	15,990
A 822 . . . . .	15,180
A 823 . . . . .	15,630
A 847 . . . . .	15,840

4. On account of the feature noticed in the previous paragraph the Committee decided to institute a detailed comparison between these designs and that of a local bungalow which has recently been built at Delhi by the Punjab Irrigation Department for the residence of the Sub-Divisional Officer, Western Jumna Canal, and offers approximately the same accommodation at a lower cost. In connection with this comparison I am to submit the following statements:—

(i) Statement\* A.—A copy of the abstract of the estimate for the Sub-Divisional Officer's bungalow at Irrigation Department rates.

\*Pro. No. 24, *infra*.

(ii) Statement† B.—An abstract of the same estimate calculated at the rates adopted by the Imperial Delhi Committee in their estimates for residences.

†Pro. No. 25, *infra*.

(iii) Statement‡ C.—A list of certain items aggregating Rs. 990 which are provided for in the estimate for design A 821 but are not provided for in the estimate of the Canal Officer's residence.

‡Pro. No. 26, *infra*.

A plan§ of the Sub-Divisional Officer's bungalow showing the accommodation is also submitted.

§Not printed.

5. From an examination of the abstract and a comparison with the design and estimate for type plan A 821 (which is, it will be noted, the most expensive of the plans now forwarded) the following results appear. The estimate for the main building of the Sub-Divisional Officer's bungalow calculated at Imperial Delhi Committee's rates amounted to Rs. 6,535 giving a plinth area rate of Rs. 1-13-8-5. The main building of design A 821 is estimated to cost Rs. 12,690. From this the following items must be deducted before a true comparison can be made:—

(i) The provision of modern sanitary fittings and a water borne system of drainage which accounts for an excess of Rs. 2,363.

(ii) The provision of the extra items enumerated in Statement|| C which accounts for an excess of Rs. 990.

||Pro. No. 26, *infra*.

(iii) Extra work in the foundations involving an excess of Rs. 780.

(iv) Extra height of rooms involving an excess of Rs. 412.

(v) The use of better materials, *e.g.*, 3" lime concrete covered by 1½" cement concrete in the rooms and brick paving on concrete in the verandahs which involves an excess of Rs. 225 on the flooring of the Canal bungalow; the latter is described in the abstract estimate as concrete and is actually lime concrete covered with a very thin skimming of cement.

(vi) The use of katcha pacca masonry instead of sun-dried bricks in mud, accounting for an excess of approximately Rs. 212.

**Type plans of residential buildings for officers in New Delhi.**

If these items amounting to Rs. 5,000 approximately are deducted from the estimated cost of the main building its cost is reduced to Rs. 7,690; and the plinth area rate (Rs. 2-1-0) compares favourably with that of the Canal bungalow (Rs. 1-13-8·5). As a matter of fact the estimate of the latter has during construction worked up to Rs. 7,344 in actual cost as compared with the figure of Rs. 6,890 given in the original estimate.

6. The Committee solicit the orders of the Government of India as regards the question of the reduction of the cost to the project estimate figure. The Committee venture to recommend that they be permitted to make reductions so as to secure that on the average the project estimate figure is not exceeded. The housing scheme contemplates 52 residences of this kind and any excess on a type is subject to multiplication by this figure to obtain the total excess. The amount of reduction in cost varies with each type: but, if equal number of all four types now submitted are constructed, the reduction to be made on the average excess works out to Rs. 660. To obtain the desired reduction the Committee consider that the height of the main buildings might be reduced to that of the Canal bungalow. An all-round reduction in the height of the rooms in design A 821 to that of the Sub-Divisional Officer's bungalow would result in a saving of Rs. 412. Turning to the items totalling Rs. 990, of which

\*Pro. No. 26, *infra*.

a list is given in Statement\* C, the Committee consider that in a residence of this class in the new city, where conservancy and anti-malarial precautions are likely to be of a high standard, the provision of fly proof shutters is unnecessary and they would eliminate them and thereby effect a saving of Rs. 80. The provision for fire places, though not extravagant, is on a scale which passes beyond the requirements of essentials into the domain of finish and an economy of Rs. 100 might be made in this item. The remaining average excess of Rs. 68 would be eliminated by savings on the estimate for foundations which is an average figure and on which savings may be possible in practice according to the nature of the soil of the actual sites, or by the elimination of some of the

†Pro. No. 26, *infra*.

remaining items of finish enumerated in Statement† C.

## Type plans of residential buildings for officers in New Delhi.

No. 24.

## Statement A.

PROJECT.—WESTERN JUMNA CANAL.  
 CANAL OR BRANCH.—DELHI BRANCH.  
 NAME OF WORK.—BUILDING OF RESIDENTIAL QUARTER FOR  
 SUB-DIVISIONAL OFFICER AT DELHI.  
 FUND, MAJOR HEAD.—49—CAPITAL.  
 DEPARTMENTAL HEAD.—I—WORK.  
 MAIN HEAD.—II—MAIN CANAL AND BRANCHES.  
 SUB-HEAD.—K.—BUILDING.

*Abstract of estimate framed by A. C. Paddy, Esq., Executive Engineer.*

No. or Quantity.	Abstract of expense.	RATE.		Amount.	Total.
		At	Per		
		Rs. A. P.		Rs.	Rs.
2,000 c. ft.	Earthwork . . . . .	4 0 0	1,000	8	...
1,540 "	Do. on roof . . . . .	6 0 0	1,000	9	...
5,100 "	Concrete . . . . .	18 0 0	100	918	...
2,500 "	Sand filling . . . . .	4 0 0	100	100	...
1,100 "	Stone masonry with lime . . . . .	24 0 0	100	264	...
2,620 "	Pacca masonry . . . . .	30 0 0	100	786	...
1,700 "	Pacca arch masonry . . . . .	35 0 0	100	595	...
4,530 "	Katcha pacca masonry . . . . .	22 0 0	100	997	...
4,400 "	Katcha masonry . . . . .	7 0 0	100	308	...
3,720 s. ft.	Jibi work . . . . .	4 0 0	100	149	...
5,530 "	Pacca plaster . . . . .	4 0 0	100	221	...
12,800 "	Katcha plaster and gobri . . . . .	0 12 0	100	96	...
12,400 "	Whitewashing (3 coats) . . . . .	0 6 0	100	47	...
5,600 "	Colourwashing . . . . .	0 10 0	100	35	...
45 c. ft.	Stonework . . . . .	2 0 0	c. ft.	90	...
760 s. ft.	Glazed doors and windows . . . . .	1 2 0	s. ft.	855	...
20 No.	Sunshades . . . . .	4 0 0	each	80	...
20 "	Tie rods, complete . . . . .	1 0 0	"	20	...
17.5 c. ft.	Woodwork . . . . .	2 8 0	c. ft.	44	...
89.12 cwt.	Rolled steel joists . . . . .	10 0 0	cwt.	891	...
4 No.	Iron chimney covers . . . . .	1 0 0	each	4	...
3 "	Iron drain flaps . . . . .	0 8 0	"	2	...
10 "	Hat pegs . . . . .	1 8 0	"	15	...
55 s. ft.	Jaffre and door . . . . .	0 8 0	s. ft.	28	6,562
	Contingencies . . . . .	5 0 0	100	...	328
	Total rupees . . . . .	...	...	...	6,890

J. A. FARQUHARSON,

Executive Engineer,

Delhi Division, Western Jumna Canal,

The 15th May 1914.

Type plans of residential buildings for officers in New Delhi.

Statement B.

No. 25.

Abstract of estimated cost of constructing quarters for the Sub-Divisional Officer, Western Jumna Canal, at current Delhi rates.

Quantity or No.	Abstract of Expense.	Rate.	Per	Amount.	Total.
		Rs. A. P.		Rs.	Rs.
2,000 c. ft.	Earthwork, excavation for foundation .	5 0 0	1000 c. ft.	10	...
1,540 "	" filling in over roof . . .	6 0 0	"	9	...
5,100 "	Concrete broken stone in lime mortar .	19 0 0	100 c. ft.	969	...
2,500 "	Sand filling . . . . .	5 0 0	"	125	...
1,100 "	Stone masonry with lime mortar .	24 8 0	"	270	...
2,620 "	Pacca masonry (2nd class burnt brick in lime mortar) superstructure.	26 12 0	"	701	...
1,700 "	Pacca arch masonry (archwork 2nd class burnt brick in lime mortar).	32 0 0	"	544	...
4,530 "	Katcha pacca masonry (2nd class burnt brick in clay) superstructure.	17 12 0	"	804	...
4,400 "	Katcha masonry (sun-dried brick in clay).	6 0 0	"	264	...
3,720 s. ft.	Jali work . . . . .	2 8 0	100 s. ft.	93	...
5,530 "	Pacca plaster (plastering with lime mortar).	3 8 0	"	194	...
12,800 "	Katcha plaster and gobri (plastering with mud and gobri leeping).	1 0 0	"	128	...
12,400 "	Whitewashing, 3 coats . . . .	0 6 0	"	47	...
5,600 "	Colourwashing . . . . .	1 12 0	"	98	...
45 "	Stonework (dressed quartzite) . .	1 8 0	c. ft.	68	...
760 "	Glazed doors and windows (2" Deodar with salwood frames).	1 5 0	s. ft.	998	...
20 Nos.	Sunshades (vary according to design. Our hood type costs about Rs. 4-8-0 each sunshade).	4 8 0	each	90	...
20 "	Tie rods complete (including securing plates 3/8", bolts and nuts).	2 12 0	"	40	...
17.5 c. ft.	Woodwork (say deodar) . . . .	2 12 0	c. ft.	48	...
89.12 cwt.	Rolled steel joists including hoisting and setting in.	7 8 0	cwt.	668	...
4 Nos.	Iron chimney covers . . . . .	1 0 0	each	4	...
3 "	Iron drain flaps . . . . .	0 8 0	"	2	...
10 "	Hat pegs (brass) . . . . .	2 0 0	"	20	...
55 s. ft.	Jaffre with door . . . . .	0 8 0	s. ft.	28	...
	Total .	...	...	6,222	...
	Contingencies at 5 per cent. .	...	...	313	...
	Plinth area=3,520 ∴ cost per s. ft.= Rs. 1-13-8.5.	...		6,535	...

## Type plans of residential buildings for officers in New Delhi.

## No. 26.

## Statement C.

*List of Miscellaneous items provided for in design A 821 but not provided for in the Sub-Divisional Officer's bungalow.*

	Rs.
1. Ferro concrete lintels over doors and windows . . . . .	275
2. Fly proof shutters . . . . .	80
3. Tile skirtings . . . . .	24
4. Painting for doors and windows . . . . .	69
5. Picture rails . . . . .	24
6. Coke breeze bricks built into walls for fixing woodwork . . . . .	48
7. Cowl ventilators . . . . .	8
8. Cast iron air bricks in W. C.'s . . . . .	6
9. Finishing fireplaces . . . . .	200
10. Side table for pantry . . . . .	8
11. Steps to topmost roof . . . . .	25
12. Holdfasts and rings for chicks . . . . .	6
13. Masonry hot case in pantry . . . . .	20
14. Curtain brackets . . . . .	19
15. Rainwater spouts and pipes . . . . .	96
16. Stone slabs for rainwater to fall on . . . . .	8
17. Tiled eills to windows . . . . .	10
18. Forming chases and cutting away for Sanitary work . . . . .	64
Total . . . . .	990

## No. 27.

No. 138-B. D., dated Simla, the 19th October 1915.

From—The Deputy Secretary to the Government of India, Public Works Department.

To—The President, Imperial Delhi Committee, Delhi.

With reference to your letter\* No. 1141, dated the 16th August 1915,

\* Pro., August 1915, No. 38, A, file 35.

I am directed to say that the Government of India, having carefully considered the designs for residences in class IV submitted therewith, have arrived at the following conclusions with regard to them. It is observed that while many of the defects noticed in the designs previously submitted have been rectified, the designs still fall short of the standard which the Government of India consider necessary for this class, in regard to the absence of a hall, in the want of means of direct access to bedrooms without passing through other rooms, and in the absence of a porch or shelter of some kind at the entrance.

2. I am to say that the Government of India fully recognise the difficulty which is experienced in providing amenities of this kind within the financial limits imposed and at the same time providing for first class work and for a suitably high standard of finish, but they consider that those amenities which are accepted as essential for comfort must take precedence of other considerations and that in the lower classes of residence in which it is difficult to keep within the financial limits, the exercise of rigid economy in respect of all items which are not absolutely essential has been shown to be necessary in order to enable a suitable house to be provided. It is considered most desirable that the design for all classes from No. IV upwards, shall provide an entrance hall, so arranged as to afford direct access to all the principal rooms, and also a porch

These amenities in the lower classes at any rate cannot be provided without some reduction in cost in other directions less important, and with this

† Pro. No. 28, *infra*.

in view I am to forward for the consideration of the Committee a note † in which certain possible economies are suggested.

**Type plans of residential buildings for officers in New Delhi.**

3. It is observed that the specification submitted by the Committee provides for foundation work in clay instead of in lime mortar. The Government of India consider that this portion of the work should be constructed in lime mortar; this is allowed for in the accompanying note.\*

\* Pro. No. 28, *infra*.

4. I am to request that the Committee carefully consider these suggestions, especially those relating to the rates, and the method of estimating certain items and that the Government of India be furnished with a revised design and estimate on the lines indicated, if found practicable.

*Note on Class IV Residence. Drawing A 760.*

**No. 28.**

The following suggestions are made for the consideration of the Imperial Delhi Committee. It is believed that sufficient savings can be effected on the estimate amply to provide for a plinth area of about 4,800 square feet including a hall and a porch.

It is needless to state that in the lower classes every item of cost must be carefully considered and that there is but little margin for anything but essentials; reasonable accommodation conveniently arranged must be the main consideration.

2. *Rate for katcha pacca brickwork.*—With 2nd class bricks at Rs. 8-5 per 1,000 and the facilities that exist for carriage, it should be readily possible, it is thought, to execute katcha pacca masonry at Rs. 18 to Rs. 19 per cent. up to a height of 4 feet, and superstructure should not cost more than Rs. 19 to Rs. 20 per cent. There is no object in using 1st class bricks in plastered work, if such is intended.

It should be possible to effect a saving under this head of Rs. 2 per cent. if not 3 per cent. in the rate.

*Rate for brickwork in lime.*—As all work is plastered, 2nd class bricks should be used, and the rate should not exceed, it is thought, Rs. 27 per cent. It is observed that these rates suggested are considerably in advance of those in the "schedule"; the latter however are probably incorrect.

3. *Circular brick pillars.*—Assuming each pillar to contain about 15 c. ft. of masonry and 50 s. ft. of plaster, and allowing even rates of Rs. 40 and Rs. 5 respectively, each pillar should not cost more than Rs. 8 or Rs. 9 and a saving of Rs. 40 might, it is thought, easily be effected by estimating and pricing quantities.

*Brick cornices.*—It is usually more economical to include the brickwork and the plastering under their respective headings; where the moulding is simple, and moulded bricks are used, no increase in rate is necessary except possibly a small extra rate per r. ft. for plastering.

*Architrave moulding.*—This might be omitted altogether in the lower class houses, if necessary.

4. *Crittall's doors and windows.*—These doors, including the extra rate for better quality of glass work, work out to Rs. 3 per s. ft.: the experience gained in the Lady Hardinge Medical College, where it is believed similar doors and windows are being employed, will show whether the rate of Rs. 3 is reliable; it is thought that they will probably cost more.

*Windows.*—The same remarks apply, the estimated rate being about Rs. 3-7-0 per s. ft.

It is thought that sufficiently satisfactory doors and windows for a building of this class can be made of sal and teak for about Rs. 2 per s. ft. With jambs and lintels of masonry in lime, danger from white ants is negligible; if seasoned wood is used, warping, etc., will not occur. By the substitution suggested a saving of rather more than Rs. 250 could be effected under this head.



## Type plans of residential buildings for officers in New Delhi.

5. *Pantry cupboard*.—This might well be reduced in size and cost to Rs. 60, effecting a saving of Rs. 50.

6. *Flooring 3 inch lime concrete and 1½ inch cement concrete*, estimated at Rs. 24 per cent. square feet. With rates of Rs. 19 per cent. and Rs. 90 per cent. respectively, it is thought that a rate of Rs. 18 per cent. square feet should be sufficient and a saving in rate of Rs. 6 per cent. square feet might be gained.

7. *1½ inch red stone slabs flooring over 4½ inch lime concrete*, estimated at Rs. 27 per cent. square feet. Unless the slabs are surfaced they do not make a very good flooring. If cement concrete is substituted the cost would be reduced by about Rs. 8 per cent. square feet.

8. Where cost has to be considered, the height of the main rooms might be reduced to 18 feet clear, the height of verandahs and verandah rooms to 13 feet clear and the width of verandahs and verandah rooms to 9 feet clear; it is roughly estimated that these reductions in height and width would result in a saving of not less than Rs. 700.

9. The extra outlay in finishing "fireplaces" might readily, it is thought, be reduced from Rs. 300 to Rs. 150.

10. By substituting pacca foundations in lime for katcha pacca, the provision of a damp-proof course could be omitted.

11. It is thought that the appearance of sunshades would be improved by the omission of the concrete filling over them.

12. The possible reductions suggested if feasible would be somewhat as follows:—

	Rs.
(1) Reduction in rate for katcha pacca masonry using 2nd class bricks—	
In foundations . . . . .	100
In superstructure . . . . .	180
Reduction in rate for brickwork in lime . . . . .	150
(2) Reduction in cost of verandah pillars . . . . .	40
Reduction in cost of architrave moulding . . . . .	150
Reduction in cost of brick cornices . . . . .	90
(3) Omission of damp-proof course . . . . .	185
(4) Substituting sal and teak doors and windows for steel ditto . . . . .	250
(5) Reducing cost of pantry cupboard . . . . .	50
(6) Reduction in rate of concrete and cement flooring . . . . .	160
(7) Reduction in rate of finishing fireplaces . . . . .	150
(8) Substituting cement concrete for 1½" slabs . . . . .	90
(9) Omitting concrete filling over sunshades . . . . .	38
(10) Lowering height of main rooms to 18 feet clear . . . . .	360
(11) Lowering the height of verandahs and verandah rooms to 13 feet clear . . . . .	180
(12) Reducing width of verandahs and verandah rooms to 9 feet clear . . . . .	240
Total . . . . .	2,413

The net saving on the basis of the foregoing figures would be Rs. 2,027.

The plinth area of the Committee's design No. A 760, allowing for the reduction of the width of the verandahs and verandah rooms, would be 4512.5 square feet and the cost would be reduced to Rs. 14,818 resulting in a plinth area rate of Rs. 3-4-6.5.

**Type plans of residential buildings for officers in New Delhi.**

13. It is estimated that a porch about 15'×16' could be constructed for about Rs. 360, and that the substitution of brickwork in lime for brickwork in clay in the foundations up to 1 foot above floor level would cost about Rs. 390.

It is believed that it is possible to design a class IV bungalow providing a hall, and giving direct access to all main rooms from it, and at the same time allowing for 6 main rooms of reasonable size, within a plinth area of 4,800 square feet at a cost, including the two items noted above, of about Rs. 16,500 or well within the Committee's figure of Rs. 16,840.

No. 1553, dated Delhi, the <sup>23rd</sup>/<sub>24th</sub> October 1915.

**No. 29.**

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy, with a copy of the enclosure and the letter\* replied to, forwarded to the Chief Engineer, Delhi, for necessary action in continuation of the correspondence ending with the endorsement† from this office, No. 1169, dated the 18th August 1915.

\* Pro., August 1915, No. 38, A, file 35.

† Pro., August 1915, No. 39(a), A, file 35.

Memorandum No. 2779-W., dated Delhi, the 27th October 1915.

**No. 30.**

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee, Delhi.

I forward herewith plans and estimate for a class III bungalow on design A 883. The average cost of the class is Rs. 30,000 and the estimate now submitted amounts to Rs. 29,600. The pencil sketches for this design were discussed and approved in Simla during September.

No. 1620, dated Delhi, the <sup>8th</sup>/<sub>9th</sub> November 1915.

**No. 31.**

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Chief Engineer, Delhi.

With reference to your memorandum‡ No. 2779-W., dated the 27th October 1915, forwarding design A 883 and an estimate for a class III bungalow I am directed to say that, before submitting this design to the Government of India, the Imperial Delhi Committee will await some further designs for class III, which were considered and approved at the Committee meeting§ held on the 4th November 1915. Meanwhile the Committee authorize you with reference to the Secretary to the Government of India, Public Works Department's demi-official letter|| No. 32-B. D., dated 28th October 1915, to put in hand one class III bungalow of design A 883.

‡ Pro. No. 30, *supra*.

§ Pro., November 1915, No. 21, A, file 1.

|| Unprinted K.-W.

Memorandum No. 2890-W., dated Delhi, the 10th November 1915.

**No. 32.**

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee, Delhi.

I forward herewith design A 902 for class III Gazetted Officers' bungalow. This design is from the sketch furnished unofficially by Mr. R. P. Russell.

There is a third design for this class which is now being estimated for and which will be forwarded shortly. This was seen, discussed and approved at the meeting on the 8th instant.

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Type plans of residential buildings for officers in New Delhi.

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No. 33.

## Imperial Delhi Committee.

Works sanction No. 41 of 1915-16.

Name of work—Constructing a bungalow on design A 883 for a class III Gazetted Officer.

Major Head—51—Initial Expenditure on the Capital.

Detailed heads of classification—D.—I (iii) Other buildings.

Amount of Estimate sanctioned Rs. 29,600.

G. F. DEMONTMORENCY,  
*Secretary, Imperial Delhi Committee.*

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No. 1682, dated 23rd November 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

\* Pro. No. 30, *supra*.

To the Chief Engineer, Delhi, with  
reference to his Memorandum \*  
No. 2779-W., dated 27th October 1915.

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No. 1683, dated 23rd November 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Audit Officer, Delhi.

A copy of the abstract of the estimate will be supplied by the Chief Engineer, Delhi.

No. 34.

Memorandum No. 2986-W., dated Delhi, the 25th November 1915.

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee.

In continuation of my memorandum†No. 2890-W., dated the 10th November 1915, I forward herewith for consideration by the Government of India three

† Pro. No. 32, *supra*.

more designs for class III residences. The cost of all the designs is within the limit and I recommend that the construction of one bungalow on design A 899 be put in hand forthwith.

No. 35.

No. 1715, dated Delhi, the 29th November 1915.

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Secretary to the Government of India, Public Works Department.

In continuation of the correspondence resting with Mr. Hawkins' letter ‡

‡ Pro. No. 27, *supra*.

§ Not printed.

No. 138-B.D., dated 19th October 1915, I am directed to submit five type designs with estimates§ for residences for officers of

class III for the approval of the Government of India. The average cost of residences for officers of this class which has been laid down by the Government of India is Rs. 30,000 and the designs now submitted come within this limit. The Committee consider that the accommodation which they offer will be considered suitable for officers of this class.

**Type plans of residential buildings for officers in New Delhi.**

2. With reference to demi-official correspondence \* which has taken place

\* Unprinted K.-W.

† Pro. No. 33, *supra*.

between the President, Imperial Delhi Committee, and the Hon'ble Mr. Russell, the Chief Engineer has already been authorized† to put in hand the construction of one residence of design A 883, and is now being instructed to construct one more of design A 899.

‡ Pro. No. 36, *infra*.

3. A list ‡ of the designs and estimates forwarded is attached.

*Design A 902.*

**No. 36.**

Design A 902. Design and elevation of the bungalow.

„ A 915. Site plan.

„ A 910. Roof plan.

One estimate and specification amounting to Rs. 29,800.

*Design A 899.*

Design A 899. Design and elevation of the bungalow.

One estimate and specification amounting to Rs. 29,500.

*Design A 850.*

Design A 850. Design and elevation of the bungalow.

One estimate and specification amounting to Rs. 29,800.

*Design A 881.*

Design A 881. Design and elevation of the bungalow.

One estimate and specification amounting to Rs. 27,600.

*Design A 883.*

Design A 883. Design and elevation of the bungalow.

„ A 816. „ of kitchen.

„ A 884. Site plan.

„ A 893. Roof plan.

„ A 840. Servants' latrines.

„ A 897. Servants' quarters.

One estimate amounting to Rs. 29,600.

**Imperial Delhi Committee.**

**No. 37.**

**Works sanction No. 42 of 1915-16.**

Name of work—Constructing a bungalow on design A 899 for a class III Gazetted Officer.

**Major Head—51—Initial Expenditure on the Capital.**

Detailed heads of classification—D.—I (iii) Other Buildings.

Amount of Estimate sanctioned Rs. 29,500.

G. F. DEMONTMORENCY,  
*Secretary, Imperial Delhi Committee.*

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**Type plans of residential buildings for officers in New Delhi.**

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No. 1716, dated 29th November 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

\* Pro. No. 34, *supra*.

To the Chief Engineer, Delhi, with reference to his Memorandum \* No 2986-W., dated 25th November 1915.

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No. 1717, dated 29th November 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Audit Officer, Delhi.

A copy of the abstract of the estimate will be supplied by the Chief Engineer, Delhi.

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**No. 38. Extract from the proceedings of the 94th Meeting of the Imperial Delhi Committee held on 10th December 1915.**

2. Some suggestions in regard to alterations in design A 899 for a residence of an officer of class III received with Mr. Russell's demi-official letter † No. 019-B. D., dated 30th November 1915, were considered by the Committee. It was resolved to prepare an amended design embodying the suggestions. It was decided not to proceed with the building of design A 883 at present.

† Unprinted K.-W.

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**No. 39.**

No. 1792, dated Delhi, the 13th December 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Chief Engineer, Delhi, for information in continuation of the letter ‡ from this office No. 1620, dated 8th November 1915, and work sanction § No. 41 of 1915-16.

‡ Pro. No. 31, *supra*.

§ Pro. No. 33, *supra*.

**REALIGNMENT OF THE PORTION OF THE AGRA-DELHI CHORD RAILWAY  
WHICH PASSES THROUGH THE SITE OF NEW DELHI.**

File  
No. 26.

No. 166-M. D., dated Simla, the 23rd November 1915.

**No. 40.**

From—The Deputy Secretary to the Government of India, Public Works Department.

To—The President, Imperial Delhi Committee.

In continuation of my letter\* No. 94-M. D., dated the 16th August 1915,  
\* Pro., August 1915, No. 44, A, File 26. I am directed to forward the accompanying copy of the project report† and estimates of the Delhi Realignment Survey of 1915, by Mr. J. C. Highet, Executive Engineer, and to enquire whether the Imperial Delhi Committee consider the proposals contained therein suitable so far as they affect the Committee. It will be observed that the estimate has been framed in two sections :—

Section I aggregating about Rs. 6 lakhs will be chargeable against the new Delhi estimates.

Section II aggregating about Rs. 10½ lakhs will be debitabie against the Railway programme.

A very early reply to this letter is requested.

No. 1780, dated Delhi, the 10th December 1915.

**No. 41.**

From—The Secretary, Imperial Delhi Committee.

To—The Secretary to the Government of India, Public Works Department.

I am directed to refer to Mr. Hawkins' letter‡ No. 166-M. D., dated the 23rd November 1915. The Committee consider the proposals contained in Mr. Highet's project report || suitable as far as they affect the Committee. They note that the works contained in Section I of his estimates are estimated to cost Rs. 6 lakhs approximately and will be a charge against the new Delhi estimates. Mr. Highet on page 17 of Part II of his report (General charges) proposes that the works contained in this section should be carried out by the Chief Engineer of the Imperial Delhi Committee. The Committee see no objection to this proposal, though the provision of the permanent-way at the rate calculated and the rate taken for girders are factors beyond their control.

2. There are two other points to which the Committee desire to draw attention. On page 17 of Part II of his report (Road Crossings) Mr. Highet gives details of the crossings to be provided. The Committee notice that there is no provision for any crossing between the underbridge at chain 21,750 and the elliptical skew-arch bridge at the north-west end of the new Delhi station. The Committee consider that in the interests of the communications between the city extension area and the eastern portion of the new city area a foot-bridge should be provided near the south-eastern end of the new Delhi railway station.

On page 9 of Part I of Mr. Highet's report mention is made of the desire of the Imperial Delhi Committee for certain alterations to be made in the southern end of the Great Indian Peninsula locomotive yard to admit of the passage of the main connecting road between the new city and the city extensions and present city which is aligned from Raisina Hill on the Juma Masjid. This road forms the main feeder for traffic from the old city of Delhi and the city extension area. In the interests of development the Committee are anxious that these alterations in the southern end of the locomotive yard should be carried out if possible in the next financial year.

INSTRUCTIONS FOR THE TREATMENT OF ESTIMATES DEALT WITH IN  
SECTIONS AND FOR THE SUPPLY OF PLANS TO THE GOVERNMENT OF  
INDIA FOR RECORD.

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**No. 42.**

No. 2958-W., dated Delhi, the 22nd November 1915.

File  
No. 34.

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee.

With reference to your endorsement\* No. 1627, dated the 9th November 1915, regarding the plans of the Secretariats and Government House, I have the honour to inform you that it will be feasible to comply with the wishes of the Government of India and that plans as suggested will be submitted.

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\* Pro., November 1915, No. 16, A, file 34.

**No. 43.**

No. 1741, dated Delhi, the 4th December 1915.

From—The Secretary, Imperial Delhi Committee.

To—The Secretary to the Government of India, Public Works Department.

I am directed to refer to Mr. Hawkins' letter† No. 152-B.D., dated 2nd November 1915. I am to explain that the Architects have been urged by the Committee to complete at the earliest opportunity the 1-8 scale drawings of the Central buildings. It is hoped that in the case of the Secretariats Mr. Baker will hand over to the Committee in the present cold weather complete 1-8 scale drawings of the whole building. The Committee would be glad to know whether, if complete 1-8 scale plans were submitted for the whole building at the earliest possible date followed at a later date by completion plans, these plans would fulfill the requirements of the Government of India.

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† Pro., November 1915, No. 15, A, file 34.

**No. 44.**

No. 174-B.D., dated Simla, the 10th December 1915.

From—The Deputy Secretary to the Government of India, Public Works Department.

To—The President, Imperial Delhi Committee.

In reply to your letter‡ No. 1741, dated the 4th December 1915, I am directed to say that the requirements of the Government of India would be met if complete 1-8 scale plans of the Central buildings in new Delhi are submitted to this Department as soon as ready, and followed at a later date by completion plans.

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‡ Pro. No. 43, *supra*.

**No. 45.**

No. 1798, dated Delhi, the 14th December 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy, with a copy of the Imperial Delhi Committee letter§ No. 1741, dated 4th December 1915, replied to, forwarded to the Chief Engineer, Delhi, for information and guidance with reference to the correspondence resting with his letter|| No. 2958-W., dated 22nd November 1915.

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§ Pro. No. 43, *supra*.

|| Pro. No. 42, *supra*.

**PRELIMINARY EXPENSES IN CONNECTION WITH THE LIGHTING OF THE  
IMPERIAL SECRETARIATS.**

File  
No. 45.

Memorandum No. 3028-W., dated Delhi, the 29th November 1915.

**No. 46.**

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee.

I forward herewith for sanction an estimate\* amounting to Rs. 2,924 for preliminary expenses for wall tubes and boxes for leading electric wires through walls in the Imperial Secretariat. It will save a lot of trouble and expense if the work is carried out along with the construction of the building. Very early sanction is therefore requested.

The expenditure is debitable to the provision of Rs. 3 lakhs allocated for lighting the Secretariat.

No. 1802, dated Delhi, the 15th December 1915.

**No. 47.**

From—The Secretary, Imperial Delhi Committee.

To—The Secretary to the Government of India, Public Works Department.

I am directed by the Imperial Delhi Committee to submit a copy of a Memorandum † from the Chief Engineer No. 3028-W., dated 29th November 1915, with which he forwards an estimate ‡ amounting to Rs. 2,924 for preliminary expenses in connection with the lighting of the Imperial Secretariat. I am to ask that very early sanction may be accorded to the estimate. The usual allocation statement § is attached. It is expected that the remaining provision under the sub-head lighting will suffice to meet requirements.

† Pro. No. 46, *supra*.

‡ Not printed.

§ Pro. No. 48, *infra*.



## Preliminary expenses in connection with the lighting of the Imperial Secretariats.

No. 48. Statement showing allocations made against the various sub-heads under the Secretariat estimate of Rs. 112.5 lakhs.

No.	References to sanctions.	Sanctioned estimates.	Excavation and filling.	Foundations.	Basements.	Menials' courts and stabling.	Front steps, etc.	Super-structure.	Lighting.	Sanitary fittings and water-supply.	Contin- gencies and petty supervision.	Total.
			Rs. 1.5	Rs. 3.69	Rs. 5.65	Rs. .9	Rs. 2.7	Rs. 79.64	Rs. 3.0	Rs. 2.0	Rs. 4.01	Rs. 112.5
1	Government of India, Public Works Department, letter* No. 124-B, D., dated 14th December 1914.	Constructing foundations and base-ments (revised estimate for first portion).	...	1,33,713	3,18,989	...	...	...	...	...	...	4,42,652
2	Ditto	Contingencies and Works Estab-lishment for (constructing, etc., etc.)	...	...	...	...	...	...	...	...	...	13,300
3	Government of India, Public Works Department, letter† No. 4-B, D., dated 14th January 1915.	Constructing subways for the drainage of a portion of the Secretariat buildings.	...	...	...	...	...	...	...	14,464	...	14,464
4	Government of India, Public Works Department, letter‡ No. 38-B, D., dated 11th March 1915.	Excavating and filling down and up to formation level the State approach between Great Place and Government Court.	...	...	...	...	6,069	...	...	...	303	6,372
5	Government of India, Public Works Department, letter§ No. 139-B, D., dated 21st October 1915.	Providing and building iron hold-fasts into the walls of the drainage subways in the Secre-tariats.	...	...	...	...	...	...	...	3,517	175	3,692
6	Government of India, Public Works Department, letter   No. 141-B, D., dated 21st October 1915.	Constructing the balance of the foundations and basements and a portion of superstructure.	1,54,900	2,73,900	3,81,900	...	...	3,50,000	...	...	58,300	12,24,000
7	Government of India, Public Works Department, letter¶ No. 168-B, D., dated 27th November 1915.	Constructing a portion of the front steps, walls, etc.	...	...	...	...	53,100	...	...	...	2,124	55,224
8	Ditto	Constructing part of the Menials' court.	...	...	...	79,463	...	...	...	...	3,173	82,641
9	Estimate now submitted	Preliminary expenses for electric installation.	...	...	...	...	...	...	2,784	...	140	2,924
		Total	1,54,900	4,02,613	7,00,889	79,463	59,169	3,50,000	2,784	17,981	77,530	18,45,269

§ Pro., October 1915, No. 39, A, file 39.  
 ¶ Pro., November 1915, No. 5, A, file 36.  
 ¶ Pro., December 1915, No. 5, A, file 43.

\* Pro., December 1914, No. 20, A, file 26.  
 † Pro., January 1915, No. 23, A, file 6.  
 ‡ Pro., March 1915, No. 5, A, file 21.

CONSTRUCTION OF THE CENTRAL COLUMN IN THE VICEROY'S COURT

File  
No. 22.

Memorandum No. 3070-W., dated Delhi, the <sup>3rd</sup>/<sub>4th</sub> December 1915.

No. 49.

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee.

With reference to my memorandum\* No. 2516-W, dated the 29th September 1915, I communicated the result of the pricing of the column to Mr. Lutyens

\*Pro. October 1915, No. 4, A, file 22. -

and he replied that he was advised that if the scale were reduced by  $\frac{1}{16}$ th the figures would come within the limit.

The quantities were recalculated and including contingencies the figure now arrived at amounts in round figures to Rs. 1,74,000. This includes a lump sum provision of £1,000 or Rs. 15,000 for the Lotus and the Star; whether this is sufficient or not remains to be seen. I have therefore provided a sum of Rs. 16,000 for unforeseen to cover excess on this and other items.

2. Mr. Lutyens contemplates sculptured work on two panels of the pedestal. The cost of this on the advice of Sir Thomas Brock he places roughly at Rs. 300 per panel. Without further details of this I am unable to offer any opinion as to whether we shall be able to meet it within the above figures or not. If not, it may be omitted for the time being.

3. I have included Rs. 9,500 being fees at 5 per cent. on Rs. 1,90,000.

No. 1793, dated Delhi, the 13th December 1915.

No. 50.

From—The Secretary, Imperial Delhi Committee.

To—The Secretary to the Government of India, Public Works Department.

I am directed to refer to letter† No. 42-B.D., dated the 19th March 1915, from the Deputy Secretary to the Government of India, Public Works Department,

†Pro. March 1915, No. 22, A, File 22.

and to forward an estimate‡ amounting to Rs. 2,00,000, two photographs‡ of perspectives and two plans‡ relating to a design for the central column of the Viceroy's

‡Not printed.

Court. The designs were prepared by Mr. Lutyens during the summer and were brought out to India by his assistant at the beginning of September. When the design was priced by the Chief Engineer the cost, including Architect's fees, worked out to Rs. 2·7 lakhs. Mr. Lutyens was asked to reduce dimensions in order to keep within the figure of cost. He has intimated that a reduction of scale by  $\frac{1}{16}$ th may be adopted. The quantities have been recalculated accordingly. The figures work out to Rs. 1,74,000 approximately. This includes a lump provision of Rs. 15,000 for the Lotus and Star; but there is some uncertainty as to whether the provision for these two items is sufficient and Rs. 16,000 has been added to cover unforeseen charges and excesses on this and other items. Mr. Lutyens contemplates sculptured work on the panels of the pedestal. The cost of this, on the advice of Sir Thomas Brock, he places roughly at Rs. 300 per panel. The Committee are unable to say whether this provision will be sufficient. Rs. 9,500 have been included for Architect's fees at the rate of 5 per cent. on Rs. 1,90,000.

2. In commenting on the work of the Architects of the Central buildings, the chief concern of the Committee is to secure that designs are appropriate in arrangement for the use to which Government wish to put them and that accommodation required is conveniently provided. In the present case no such issues are involved, and the Committee feel that the aesthetic appropriateness of an ornamental feature of this nature, is a question which should be left entirely to the Architect. The Committee have however considered

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**Construction of the central column in the Viceroy's Court.**

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it their duty to point out to Mr. Lutyens that the six pointed star offers a cruciform appearance from many points of view and is to this extent liable to objection. They have asked him to study a termination in a five pointed star which will not present an appearance liable to the same construction. They recommend that the design should be accepted by the Government of India subject to this condition.

REPORT OF EXPENDITURE UNDER SUB-HEAD D-IX.—MISCELLANEOUS.

File  
No. 46.

No. 1823, dated Delhi, the 18th December 1915.

No. 51.

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Secretary to the Government of India, Public Works Department.

I am directed by the Imperial Delhi Committee to submit the report promised in paragraph 18 of the Progress Report\* for the year 1914-15, regarding the present state of the expenditure under D-IX.—Miscellaneous. The two main points for discussion are :—

\*Pro., October 1915, No. 32, A, file 42.

- (1) The extent to which the expenditure under D-IX can be debited to the City Extension, and
- (2) The actual and probable expenditure on estimates already sanctioned and the probable demands of the future.

2. The provision for D-IX.—Miscellaneous in the Project Estimate† as framed by the Committee amounted to Rs. 53,21,500. The Government of India in revising the Project Estimate‡ omitted Rs. 1 lakh from the provision for

† Pro., January 1914, No. 29, A, file 5.

‡ Pro., July 1914, No. 34, A, file 24

service roads and also cut out the reserve of Rs. 3 lakhs. The balance remaining, Rs. 49,21,500, was treated as divisible between the New City and the City Extension. Rs. 3 lakhs had been specifically provided for the preparation of the site of the City Extension and a further sum of Rs. 3,39,408 was calculated to be the share of the City Extension on a percentage basis in the Miscellaneous expenditure generally. The provision, therefore, for the New City alone stood finally at Rs. 42,82,092.

3. When the Committee endeavoured to revise the Project Estimate by sub-heads, it became necessary to distribute the final deduction of Rs. 3,39,408 over sub-heads, and this it was found impossible to do except in a purely arbitrary way. The gross provision for the New City and City Extension together stood as follows :—

	Rs.
A—Survey and Preliminary . . . . .	57,996
B—Preparation of site . . . . .	20,15,395
C—Experiments and Models . . . . .	61,617
D—Service Roads . . . . .	7,86,659
E—Water supply and other general services . . . . .	11,04,621
F—Medical and Sanitary . . . . .	82,215
G—Miscellaneous . . . . .	8,13,019
Total . . . . .	49,21,500

In the case of B, Preparation of the site, the specific provision of Rs. 3 lakhs having first been deducted, it was impossible to make any further deduction on account of the City Extension, the whole of the balance being properly debitable to the New City. Similarly no provision had been made for service roads in the City Extension, and the entire provision under sub-head D was intended for such roads in the new City alone. It may be safely assumed that, as soon as any roads are constructed in the City Extension area, they will be charged at once to the estimates for that scheme or to a suspense head and will at no time appear under "51."

4. The great bulk of the expenditure under A.—Survey and Preliminary, is fairly divisible between the New City and the City Extension on a percentage basis. On the other hand the great bulk of the expenditure under C.—Experiments and Models, is debitable to the New City alone. The outlay under these

**Report of expenditure under sub-head D-IX.—Miscellaneous.**

two sub-heads is about the same, and it will simplify matters a great deal if the whole expenditure under A is treated as divisible and the whole of the expenditure under C as belonging exclusively to the New City. In the case of the third minor sub-head F.—Medical and Sanitary arrangements, no share can properly be allocated to the City Extension. The coolies employed in the City Extension area will be nearer to the hospitals in the City than to the Committee's dispensaries and will derive no benefit from the latter. Any temporary conservancy arrangements that may be required will be separately provided and debited at once to the City Extension estimates.

5. There remain two important sub-heads. Of these, sub-head E contains provision for the temporary water works, the temporary electric power system and the Imperial Delhi Committee Railway. It is difficult to say how far these general services will be utilized in connection with the City Extension works, but it is possible that some of the materials for the sanitary schemes will be conveyed over the Committee's broad gauge siding to Barakhamba, and that the temporary water supply and the temporary electric supply may be used for certain purposes. But in all these cases the City Extension cannot in equity be called on to pay except for services actually rendered, and a division of the capital expenditure for these purposes on a percentage basis would operate unfairly. The City Extension scheme cannot, for instance, be debited with any share of the expenditure incurred on the Committee's 2' 6" gauge construction line, nor of the cost of the distribution pipes for water in the New City area, nor of the electric distribution system beyond the point where the current would be diverted into the City Extension area. Even when items of this kind have been eliminated, it is not likely that the benefit derived from these services by the City Extension scheme will be commensurate with the share in the cost which would be arrived at on a percentage basis. The fairest arrangement would be that the City Extension should be charged only for the water and current actually supplied and for the transport of articles actually carried. Rates have been fixed for the transport of goods over the Imperial Delhi Committee Railway and for the supply of water and electric power to works. The sums charged to works are taken in reduction of the annual maintenance estimates for these purposes which are sanctioned under D-X. The rates are calculated so as to cover the annual working expenses of the schemes, but not interest or depreciation on the capital expended. In the case of City Extension works it would be possible to fix a somewhat higher rate in each case so as to include interest and depreciation on so much of the capital expenditure as appeared fairly divisible. The calculation would of course be approximate only. The result of this method of adjustment would be that the credit to "51" would appear as a reduction of expenditure under D-X—Maintenance instead of under D-IX—Miscellaneous or D-VII—Tools and Plant, but so long as the City Extension bears its fair share of the charges involved, it is of little importance under what head the adjustment is made.

6. Finally there is the sub-head G—Miscellaneous, about which no general statements can be made. A list\* is annexed of the estimates which might possibly

\*Pro. No. 52, *infra*.

be divided on a percentage basis. The figure shown against each item is the actual expenditure or the probable expenditure expected. It will be seen that the total cost of the major works is Rs. 97,963 and of the minor works Rs. 19,612. The equity of debiting any share of some of these estimates to the City Extension is open to doubt, *e.g.*, the expenditure on Camps at Raisina, but it has been thought best to include such doubtful cases. The City Extension share in these items, however calculated, can hardly exceed one-fifteenth of the total. The debit to the City Extension for major works would therefore be about Rs. 6,500 and for minor works about Rs. 1,300. It seems hardly worth while in the latter case to trouble about so small an adjustment, and the Committee therefore propose that the minor works should be left out of account altogether. The cost of the major works might be divided, when

**Report of expenditure under sub-head D-IX.—Miscellaneous.**

the accounts for the New City are finally closed, in the proportion which the total expenditure on the City Extension bears to the total expenditure on the New City excluding Tools and Plant and Maintenance in both cases. Should the Committee hereafter sanction any major work under D-IX, the cost of which appears to be divisible between the New City and the City Extension, they will, when sanctioning the work, inform the Audit Officer that it is so divisible.

7. It will be seen therefore that the debits which can be made to the City Extension in respect of the expenditure under D-IX will be quite small in amount. The divisible amount up to date is as follows:—

	Rs.
Sub-head A . . . . .	55,181
Sub-head G . . . . .	97,963
Total . . . . .	1,53,144

If one-fifteenth be provisionally assumed as the City Extension share the probable debit is a little over Rs. 10,000. The Committee understand that the Government of India would have preferred an arrangement by which the City Extension share in the divisible estimates would be debited month by month to a suspense head, so that the final debit to "51" would appear at once from the monthly accounts. There are, however, two difficulties. In the first place it is difficult, on the materials at present available, to estimate with even approximate accuracy the proportion which the City Extension expenditure will ultimately bear to the expenditure on the New City, and in the second place the procedure proposed involves a good deal of work in the Audit Office in adjusting debits all of which may ultimately prove to be erroneous. For these reasons the Committee recommend that the adjustments should be made once for all when the accounts for the new Capital are closed. If, however, when the estimates for the sanitary schemes are ready and a revised scheme for the City Extension can be prepared, the Government of India prefer to fix finally the proportion debitable to the City Extension, the Committee see no objection to making the adjustments once for all.

8. There still remains the question how the project provision should be distributed by sub-heads in the appendices to the annual Progress Reports. If the total of the sub-heads is to equal the net project provision of Rs. 42,82,092 the reallocation can only be made arbitrarily. The Committee suggest the following allocation which is based in the main on the probable expenditure on estimates already sanctioned, but retains the original provision for B—Preparation of the site, and E—Water supply and other general services. The opportunity has been taken to round off the provision for all sub-heads except G—Miscellaneous:—

	Rs.
A—Survey and Preliminary . . . . .	51,000
B—Preparation of site . . . . .	17,15,000
C—Experiments and models . . . . .	52,000
D—Service roads . . . . .	5,70,000
E—Water supply and other general services . . . . .	11,05,000
F—Medical and Sanitary . . . . .	52,000
G—Miscellaneous . . . . .	7,37,092
Total . . . . .	42,82,092

9. The Committee would now turn to the second point mentioned in paragraph 1 above, viz., the actual and probable expenditure on estimates already sanctioned and the probable demands of the future. A statement\* is annexed summarizing the estimates sanctioned up to date under each

\*Pro. No. 53, *infra*.

**Report of expenditure under sub-head D-IX.—Miscellaneous.**

sub-head. Where Completion Reports have been received the actual expenditure is also shown, and where the work is still incomplete the probable expenditure so far as it can be estimated in advance. The final result is that on estimates aggregating Rs. 14,81,709 a net saving of Rs. 2,04,501 has been realised, and on estimates aggregating Rs. 30,96,471 a net saving of Rs. 77,246 is expected. The probable expenditure on estimates already sanctioned is expected to be Rs. 42,96,433 against Rs. 42,82,092, the net project provision. There is however the certainty of a credit ultimately from the City Extension which may amount to Rs. 10,000. It will be seen, therefore, that since the Committee have no power to sanction an excess over a main head, their power of sanctioning further estimates under D-IX are exhausted. It will be convenient to review the expenditure under each sub-head.

**10. A—Survey and Preliminary and C—Experiments and Models.**

Little need be said about these sub-heads. As matters stand at present there is a small saving under each of them, and as it is not expected that much more will have to be spent, it is likely that the ultimate expenditure will be within the gross project provision.

**11. B—Preparation of site.**

The project provision is Rs. 17,15,395 for the New City alone, the probable expenditure on the estimates already sanctioned is Rs. 16,81,680, and the Chief Engineer estimates that about Rs. 3 lakhs more will be needed to complete the work. It is probable therefore that there will be an excess of Rs. 2,66,000 ultimately in the case of this sub-head. This expenditure is largely due to the increased cost of preparing the site in the vicinity of the Central Buildings in order to meet the views of the Architects as to its treatment. The alteration of the design of the Council Chamber Entrance has entailed a heavier outlay owing to the lowering of the ground level, and the preparation of the site of the southern extension also contributes to the excess to the amount of about Rs. 1 lakh. No allowance was made for the last item when the Government of India decided\* that the additional area should be included in the layout.

\* *Vide* Pro., July 1914, No. 33, A, file 24.

**12. D—Service roads.**

The saving under this sub-head as compared with the gross project provision is nearly Rs. 2,20,000, most of it actually realised. A few more temporary service roads may possibly be required, but future expenditure on these will not be large. A substantial saving under this sub-head is assured.

**13. E—Water supply and other general services.**

An excess of Rs. 56,714 over the gross project provision is expected on the estimates already sanctioned. Part of this excess occurs in the case of the temporary water supply. The remainder is due mainly to unforeseen requirements for which no provision was made in the Project Estimate.† These amount to Rs. 21,000. Future requirements are difficult to forecast but are not likely to be heavy.

† Pro., January 1914, No. 29, A, file 5.

**14. F—Medical and Sanitary.**

After deducting the probable expenditure on estimates already sanctioned a balance of about Rs. 30,000 remains out of the gross Project provision. Future requirements must depend largely on whether or not a serious outbreak of epidemic disease has to be faced. On the whole the Committee think there may be a small excess ultimately under this sub-head over the gross Project provision.

**15. G—Miscellaneous.**

The probable expenditure on the estimates sanctioned up to date is Rs. 7,27,357 against the gross project provision of Rs. 8,13,019. The provision of Rs. 30,000 for constructing mechanics' quarters was found not to be required. A saving of Rs. 68,000 is expected on the cost of demarcating land boundaries and a saving of Rs. 1,40,000 on the cost of the Bari-Barauli Railway. On the other hand the provision for cooly lines and shedding on works has proved

**Report of expenditure under sub-head D-IX.—Miscellaneous.**

inadequate, the probable excess in the former case being about Rs. 37,000 and the latter case about Rs. 41,000. These excesses arise out of estimates already sanctioned. In addition, unforeseen requirements of various kinds have already absorbed about Rs. 66,000. Future demands cannot be estimated with any accuracy, but it is already known that nearly Rs. 75,000 will be needed for shedding for the stone dressing machinery, and also there will be a number of small miscellaneous demands which cannot be foreseen but which equally cannot be avoided. It would not be safe, the Committee think, to estimate the amount of these at less than Rs. 1·5 lakhs.

16. The probable future demands under D-IX may therefore be summarized as follows :—

	Rs.
B—Preparation of the site . . . . .	3,00,000
F—Medical and Sanitary (say) . . . . .	40,000
G—Miscellaneous . . . . .	2,25,000
Other sub-heads (say) . . . . .	35,000
<b>Total</b> . . . . .	<b>6,00,000</b>

It appears probable, therefore, that the eventual outlay under this head will be about Rs. 49 lakhs. The Committee were aware, when they submitted the Project Estimate\* for sanction, that unforeseen demands of various kinds

\*Pro., January 1914, No. 29, A, file 5.

would arise during the progress of the work, most of them of a petty character, and it was for this reason that a reserve of Rs. 3 lakhs was proposed. This provision, however, has been absorbed in the general reserve of one million sterling. Up till now these unforeseen demands have been set off against the known savings under the same head but, as explained above, this process can be carried no further. It is not possible for the Committee to set off savings under other heads, first because no such savings have yet been sufficiently ascertained, and second because the excess over the total provision under D-IX itself requires the sanction of the Government of India. The total outlay under D-IX will not, the Committee think, exceed the net Project provision *plus* the Reserve of 3 lakhs *plus* the sum transferred to the City Extension scheme which cannot in fact be so transferred.

17. The Committee are anxious that very early sanction should be given to the estimate† (already referred to) amounting to nearly Rs. 75,000 for the

†Not printed with these Proceedings.

shedding needed for the stone dressing plant which had been indented for from England. It is desirable that part of the work should be put in hand at once, and the Committee would therefore be glad to receive the necessary authority to proceed with it. They would also ask for a further allocation from the reserve of Rs. 3·5 lakhs which will cover the additional cost of the preparation of the site, and will provide about Rs. 50,000 to cover the small unforeseen demands which from time to time arise. The ultimate excess in the case of D-IX must, the Committee think, exceed the ten per cent. limit with which

Pro., August 1914, No. 50, A, file 24.

the Secretary of State has empowered the Government of India to sanction excesses over main heads. The allocation now asked for is within that limit and will meet the needs of the immediate future. As the final result depends entirely on the extent of the small unforeseen demands, the amount of which can at present be only conjectured, it will be for the Government of India to decide whether any immediate reference to the Secretary of State is required. The Committee recognize that strict economy should be exercised in the matter of such minor works, and while the great majority of them will be within the powers about to be delegated to the Superintending Engineers, they will retain their own control by fixing annual budget allotments within which the delegated powers will be exercised.



## Report of expenditure under sub-head D-IX—Miscellaneous.

**No. 51a**

No. 1853, dated the 24th December 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Chief Engineer, Delhi, for information.

**No. 52.** List of estimates sanctioned under sub-head "G—Miscellaneous" which might be divided between the New City and the City Extension.

	Rs.
Sheds for steam rollers and quarters for staff <sup>1</sup> . . . . .	7,295
Erection of camps at Raisina, 1913-14 . . . . .	40,085
Erection of repair shop machinery . . . . .	17,910
Erection of camps at Raisina, 1914-15 . . . . .	25,896
Providing permanent boundary pillars for the new Capital . . . . .	6,777
Total of Major Works . . . . .	97,963
Demarcation of the new City area . . . . .	2,090
Fire hose for Raisina office . . . . .	159
Shed for steam road rollers . . . . .	4,510
Providing electric fans in the Land Acquisition office . . . . .	1,107
Coal store of road rollers . . . . .	2,223
Office for III Division at Barakhamba . . . . .	2,162
Tents for Superintendent, Imperial Delhi Committee office . . . . .	123
Watchmen's shed, Raisina office . . . . .	269
Retiring room with kitchen and bath room for officers of III and Electrical Divisions at Barakhamba . . . . .	947
Shelves in the Audit Office Treasury room at Raisina . . . . .	289
Installation of electric light in offices connected with III Division . . . . .	948
Office for Assistant Electrical Engineer at Barakhamba . . . . .	3,150
Sound-proof ceiling in Superintending Engineer's office room at Raisina . . . . .	115
Shelves in Audit Office . . . . .	552
Providing a doorway between rooms 30 and 31 in the Raisina office . . . . .	52
Making door openings between certain rooms in the Raisina office . . . . .	27
Providing ceilings in rooms 12 and 35 of the Raisina office . . . . .	163
Providing accommodation for the chaukidars and sweepers of the Raisina office . . . . .	287
Fencing camps at Raisina and providing wire gauze doors to kitchens . . . . .	439
Total of Minor Works . . . . .	19,612

## Report of expenditure under sub-head D-IX—Miscellaneous.

No. 53.

## ABSTRACT.

## D. IX—Miscellaneous.

Sub-heads.	Provision in the Project Estimate including the Rs. 3,38,408 on account of City Extension under heads other than Preparation of site.	Revised provision as now proposed excluding the City Extension share.	Sanctioned estimates for which Completion Reports have been received.	Expenditure as in Completion Reports.	Excess.	Saving.	Sanctioned estimates for which Completion Reports have not been received.	Probable Expenditure.	Excess.	Saving.	Totals of 4 and 8.	Totals of 5 and 9.	Excess.	Saving.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A—Survey and preliminary expenditure.	Rs. 57,996	Rs. 51,000	Rs. 23,722	Rs. 19,558	Rs. ...	Rs. 4,164	Rs. 41,199	Rs. 36,623	Rs. ...	Rs. 5,576	Rs. 64,921	Rs. 55,181	Rs. ...	Rs. 9,740
B—Preparation of site	17,15,395	17,15,000	8,19,704	2,99,119	...	20,585	14,38,487	13,82,561	...	45,926	17,48,191	16,81,680	...	66,511
C—Expenditure on experiments, Models, etc.	61,617	52,000	7,142	7,196	54	...	52,982	44,852	...	8,130	60,124	52,048	...	8,076
D—Service Roads	7,86,659	5,70,000	7,35,004	5,60,077	...	1,74,927	10,972	6,974	...	3,998	7,45,976	5,67,051	...	1,78,925
E—Water supply and other general services.	11,04,621	11,05,000	93,243	94,913	1,670	...	10,46,077	10,66,422	20,845	...	11,39,320	11,61,335	22,015	...
F—Medical and Sanitary arrangements.	82,215	52,000	40,367	39,279	...	1,088	12,502	12,502	...	...	52,869	51,781	...	1,088
G—Miscellaneous	8,13,019	7,37,092	2,32,527	2,57,066	...	5,461	5,04,252	4,70,291	...	33,961	7,66,779	7,27,357	...	39,422
Total	46,21,522 say 46,21,500	42,82,092	14,81,709	12,77,208	1,724	2,06,225	30,96,471	30,19,225	20,845	97,591	45,73,180	42,96,433	22,015	3,03,762

CONSTRUCTION OF THE FOUNDATIONS OF GOVERNMENT HOUSE.

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**No. 54.**

No. 176-B. D., dated Simla, the 16th December 1915.

File  
No. 24.

From—J. E. LACEY, Esq., I.S.O., Assistant Secretary to the Government of India,  
Public Works Department.

To—The President, Imperial Delhi Committee.

With reference to your letter \* No. 1734, dated the 2nd December 1915,  
I am directed to say that the Govern-  
ment of India sanction the estimate  
submitted therewith, amounting to Rs. 99,190 for the foundations in the  
North-East and North-West quarters of Government House in the new  
Delhi, and to add that the revised alloca-  
tion statement promised in paragraph 4  
of your letter † is awaited.

\* Pro. December 1915, No. 2, A., file 24.

† Pro. December 1915, No. 2, A., file 24.

**No. 55.**

No. 1825, dated Delhi, the  $\frac{13th}{20th}$  December 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy, with a copy of the Imperial Delhi Committee letter‡ No. 1734,  
dated the 2nd December 1915, replied  
to, forwarded to the Chief Engineer, Delhi,  
for information, with reference to his  
memorandum § No. 2888-W., dated the  
10th November 1915.

‡ Pro. December 1915, No. 2, A., file 24.

§ Pro. December 1915, No. 1, A., file 24.

2. Copy forwarded to the Audit Officer, Delhi, for information.

PROCEEDINGS OF THE MEETINGS OF THE IMPERIAL DELHI COMMITTEE.

File  
No. 1.

**Proceedings of the 94th meeting of the Imperial Delhi No. 56.  
Committee held at Raisina on 10th December 1915.**

*Present :—*

The Hon'ble Mr. W. M. HAILEY, C.S.I., C.I.E., I.C.S., } *President.*  
Chief Commissioner, Delhi.

Mr. H. T. KEELING, C.S.I., Chief Engineer, Delhi.

Mr. G. RAINY, I.C.S., Financial Member.

Mr. W. H. NICHOLLS, Architect Member.

Mr. G. F. DEMONTMORENCY, C.I.E., I.C.S., Secretary.

\* Pro. December 1915, No. 10, A, file 1. 1. The proceedings\* of the 93rd meeting were confirmed.

2. Some suggestions in regard to alterations in design A-899 for a residence of an officer of class III received with Mr. Russell's demi-official letter† No. 019-B. D., dated 30th November 1915, were considered by the Committee. It was resolved to prepare an amended design embodying the suggestions. It was decided not to proceed with the building of design A-883 at present.

3. A return‡ of minor works sanctioned by the Superintending Engineer, II Circle, in the month of November 1915 was examined by the Committee and recorded.

4. A return§ of minor works sanctioned by the Superintendent of Works, I Circle, during the month of November 1915 was examined by the Committee and recorded.

5. Considered letter|| No. 1342-A., dated 27th November 1915, from the Chief Engineer, forwarding his progress report¶ under head 51 for the period ending 31st October 1915. Resolved that the report be recorded.

6. Considered letter\*\* No. 170-M. D., dated 29th November 1915, from the Deputy Secretary to the Government of India, Public Works Department. Resolved that sanction be issued to the following estimates :—

(i) For providing a water-supply to the 15 European clerks' quarters in block No. 111 and the 6 officers' bungalows in block No. 20 amounting to Rs. 5,429.

(ii) For providing a water-supply to the Indian clerks' quarters in block Nos. 94 to 99 amounting to Rs. 14,525.

7. Considered a letter†† from the Architects of the Central buildings, claiming allowances for the period of their stay in Egypt from 11th November till 20th November. Resolved that the Architects be informed that the claim does not appear to be justified by clause 29 of their agreement with the Secretary of State, and that in the absence of any information regarding the reasons for the visit to Egypt the Committee are unable to entertain the claim.

8. Considered a memorandum‡‡ No. 3070-W., dated 3rd December 1915, from the Chief Engineer forwarding an estimate of the cost of the Central Column in the Viceroy's Court. Resolved that the estimate and plans be submitted to the Government of India.

**Proceedings of the meetings of the Imperial Delhi Committee.**

**No. 57.**

Financial year 1915-16.

DELHI PROJECT DIVISION.

*Progress Report for the month ending 31st October 1915.*

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Superintendent Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12
											13
	<b>51.—Initial Expenditure on New Capital.</b>										
	D-I.—BUILDINGS.										
	(a) GOVERNMENT HOUSE.										
	2nd Circle.										
	VI.—Project Division.										
1	Collection of materials for Government House (February 1915).	3,04,245	1,47,637	"	1,07,816	1,841	...	1,09,657	2,57,234		
2	Constructing the foundations of the south-east quarter of Government House (February 1915).	36,582									
3	Constructing the foundations of the south-west quarter of Government House (February 1915).	40,225	1,608	...	65,989	63	15,500	81,552	83,160	...	
	Total VI.—Project Division (2nd Circle) D. I. (a) Government House.	...	...	3,18,050	1,73,805	1,904	15,500	1,91,209	...		

Please see Imperial Delhi Committee's letter No. 461, dated the 25th March 1915, in which expenditure up to Rs. 2 lakhs was authorised on Government House in anticipation of sanction to estimate.

**Proceedings of the meetings of the Imperial Delhi Committee.**

(b) SECRETARIATS.									
2nd Circle.									
V.—Project Division.									
4	Collection of materials for Secretariat buildings	3,04,245	96,179	...	96,179	...	...	96,179	...
5	Constructing foundations and basements and a portion of the superstructure of the Secretariat buildings.	4,55,952 12,24,000 16,79,952	1,80,952	...	4,92,893	7,286	25,500	5,25,679	7,03,631
6	Constructing subways for the drainage piping in the Secretariat buildings.	14,464	2,778	...	20,376	...	2,000	22,376	25,154
7	Excavating and filling the State approach between the Secretariat and Government	6,372	821	...	5,502	...	300	5,802	6,623
8	Filling in Government Court.	..	2,270	...	11,172	253	1,500	12,925	15,195
9	Front steps, walls, paving courts and gardens in the Secretariat buildings.	55,224	...	...	2,399	199	3,500	6,098	6,098
10	Menials' court and stabling	82,641	...	...	531	42	900	1,473	1,473
11	Providing and building iron holdfasts into the walls of the drainage subways in the Secretariats.	3,892	...	...	...	...	...	...	...
Total V Division (2nd Circle). D.-I. (b) Secretariats.		...	...	6,02,649	4,36,694	7,780	33,700	4,73,174	...

## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D-I.—BUILDINGS—contd.											
	(c) OTHER BUILDINGS.											
	1st Circle.											
	II.—Project Division.											
12	Collection of materials for Indian clerks' quarters (June 1914).	5,63,000	3,15,882	...	1,38,061	...	610	1,37,451	1,78,431			
13	Collection of materials for European clerks' quarters (April 1915).	3,20,706	10,815	...	1,31,102	...	600	1,31,702	1,42,517			
14	Constructing 219 Indian clerks' quarters :—											
	(a) Block No. 98 A, B, D, E.	1,38,620	50,525	...	77,361	...	1,000	78,361	1,28,886			
	(b) Block " 97 B, C, E	1,33,230	38,592	...	81,176	...	1,300	82,476	1,21,038			
	(c) Block " 96 B, C	75,490	22,912	...	41,831	...	1,600	43,431	66,343			
	(d) Block " 94 and 95A.	35,500	10,352	...	20,900	...	300	21,200	31,552			
	(e) Class B. C.	51,720	...	...	...	...	...	...	...			

Proceedings of the meetings of the Imperial Delhi Committee.

	(f) Block No. 99 A, B (January 1914).	67,250	23,050	...	37,325	...	500	38,125	61,175
		5,01,810	1,45,431	...	2,58,893	...	4,700	2,63,593	4,09,024
15	Constructing 722 peons' quarters (November 1914).	3,03,325	73,658	...	1,94,313	...	35,000	2,29,313	3,02,971
16	Constructing 15 European clerks' quarters, Class I (December 1914).	1,33,250	70,240	...	51,465	...	1,050	52,515	1,22,755
17	Constructing 7 European clerks' quarters, Class I (Octo- ber 1915).	62,354	...	...	365	...	825	1,210	1,210
	Total II Division (1st Circle).	...	...	8,77,960	4,98,097	...	42,785	5,40,882	...
	<i>2nd Circle.</i>								
	V.—Project Division.								
18	Constructing Chambers for the Inaugural stones in the Sec- retariat Buildings.	71,000	...	...	14,373	980	6,500	21,853	21,853
	Total V.—Division	...	...	30,000	14,373	980	6,500	21,853	...
	VI.—Project Division.								
19	Filling in the Viceroy's Court (September 1914).	1,03,500	3,051	...	20,928	204	4,000	25,132	23,183
20	Collection of materials for Gazetted officers' bungalows (August 1914).	2,52,424	13,457	...	—3,890	1	200	—3,689	9,768
21	Construction of one set of servants' quarters for class IV—Gazetted officers' bun- galow (June 1915).	3,481	...	...	1,943	8	1,500	3,451	3,451
	Carried over	...	...	...	18,981	213	5,700	24,894	...



## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	D-L—BUILDINGS—concl'd.		...	...	18,761	— 213	5,700	24,864				
	2nd Circle—concl'd.											
	VI.—Project Division—concl'd.											
22	Construction of Gazetted officers' bungalows—											
	(a) Design A-278—279 (September 1914).	24,310	18,491	...	...	...	...	...	...			
	(b) Design A-285 (September 1914).	22,950	14,855	...	...	...	...	...	...			
	(c) Design A-281 (August 1914).	21,650	14,984	...	...	...	...	...	...			
	(d) Design A-354 (September 1914).	25,320	21,113	...	...	...	...	...	...			
	(e) Design A-353 (September 1914).	22,800	17,924	...	...	...	...	...	...			

**Proceedings of the meetings of the Imperial Delhi Committee.**

(f) Design A-282 (September 1914).	22,850	15,126	...	...	...	...	...	...	...	...
23 Constructing foundations of the railings, fountains, water basins, etc., in the Viceroy's Court (August 1915).	1,39,280	1,01,893	...	28,156	65	1,663	29,894	1,31,777	...	...
24 Constructing a portion of the retaining walls for Viceroy's Court (August 1915).	80,280	...	...	60,946	1,480	10,000	72,426	72,426	...	...
Total VI Division	92,790	...	...	21,693	...	16,060	37,693	37,693	...	...
Total II Circle	...	...	3,04,790	1,29,776	1,758	33,363	1,64,897	...	...	...
Electrical Engineer.	...	...	3,84,790	1,44,149	2,788	39,863	1,86,750	...	...	...
25 Minor works . . .	...	...	...	5,524	...	...	5,524	...	...	...
26 Completed works as per last month's Progress Report.	...	...	...	2,285	...	...	2,285	...	...	...
Total Electrical Engineer	...	...	9,785	7,809	...	...	7,809	...	...	...
Total D I (c) Other Buildings	...	...	12,22,535	6,50,055	2,738	82,648	7,35,441	...	...	...
D-II.—COMMUNICATIONS. 2nd Circle.										
IV.—Project Division.										
27 Road surface treatment (March 1914).	10,500	10,605 (E. 9,676)	...	30	6	...	36	10,641	...	...
28 Completing earthwork in the avenue C. to W. (September 1914). Carried over	10,000	5,924	...	538	...	...	538	6,512	...	...
	...	...	...	618	6	...	624	...	...	...

## Proceedings of the meetings of the Imperial Delhi Committee.

DELHI PROJECT DIVISION—*contd.*  
*Progress Report for the month ending 31st October 1915—contd.*

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward —	Rs. ...	Rs. ...	Rs. ...	Rs. 618	Rs. 6	Rs. ...	Rs. 624	Rs. ...			
	D-II—COMMUNICATIONS— <i>concl.</i> 2nd Circle— <i>concl.</i>											
	IV.—Project Division— <i>concl.</i>											
29	Providing a soling coat for the central road A. C., i. e., from forecourt to the reservoir (January 1915).	11,792	1,478	...	4,362	...	...	4,362	5,840			
30	Earthwork and soling for permanent roads (November 1914).	4,94,763	1,09,439	...	1,13,465	1,209	8,300	1,22,974	2,32,463			
31	Metalling the road D. G. round Government House up to the junction with the Crescent Road (May 1915).	18,800	...	...	12,473	1,187	8,500	23,160	22,160	...	...	Revised estimate is in Superintending Engineer's office.
32	Providing full width wearing coat for part of road I.D. round D. B. E., and part of road E. F. in order to divert the traffic of Kutab Road.	18,085	...	...	16,646	1,572	6,760	24,978	24,978	...	...	Revised estimate in Superintending Engineer's office.

Proceedings of the meetings of the Imperial Delhi Committee.

33	Minor Works	...	...	...	3,335	...	600	3,935	...
34	Construction of new Cantonment Road (October 1915).	54,600	...	...	...	...	700	700	...
	Total IV Division (2nd Circle)	...	...	2,67,380	1,50,899	3,974	24,860	1,79,733	...
	<i>Arboriculture Division.</i>								
35	Planting trees along certain roads and within the courtyard of Indian clerks' quarters—								
	D-II	5,693	...	...	124	...	176	300	300
	D-III	597	...	...	...	...	...	...	...
	Total	5,693	...	...	124	...	176	300	300
	Total Arboriculture Division	...	...	5,690	124	...	176	300	...
	Total D.-II Communications	...	...	2,73,520	1,51,023	3,974	25,036	1,80,033	...
	<b>D.-III—MISCELLANEOUS PUBLIC IMPROVEMENTS.</b>								
	<i>1st Circle.</i>								
	I.—Project Division.								
36	Improvements to the Gurdwara banga and construction of garden adjacent thereto—								
	I Division	2,672	...	...	524	...	500	1,024	1,024
	Arboriculture Dn.	10,381	...	...	...	...	...	...	...
	(September 1915)	13,053	...	...	...	...	...	...	...
	Total I.—Division	...	...	2,600	524	...	500	1,024	...

## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.	Ra.			
	D. III.—MISCELLANEOUS PUBLIC IMPROVEMENTS— <i>concl.</i>											
	1st Circle— <i>concl.</i>											
	II.—Project Division.											
37	Levelling operations in Purana Killa (December 1914).	29,812	28,817	...	6,414	...	...	6,414	35,231	.....	...	Excess will be dealt with in completion report. Work almost completed.
38	Filling nullah outside Delhi Gate (January 1915). Revised estimate.	34,778	19,694	...	6,673	...	...	6,673	26,367	.....	...	
39	Providing roads and footpaths in Indrapat fort (September 1915).	7,910	...	...	1,622	...	2,000	3,622	3,622	.....	...	
40	Minor works	...	...	...	483	...	100	583	...	.....	...	
	Total II.—Division	...	...	22,190	15,192	...	2,100	17,292	...	.....	...	
	Total 1st Circle	...	...	24,790	15,716	...	2,600	18,316	...	.....	...	

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DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
45	D-VI.—SANITATIONS, ETC. 1st Circle. I.—Project Division. Cast iron pipe laying { D.-VI in Indian clerks' { quarters. { D.-IX (September 1915).	11,042 3,483 14,525	Unsanctioned.	...	7,192	...	100	7,292	7,292	.....	...	Vide remarks against items 91 and 92 below.
46	Laying 3" C. I. { D.-VI main in block No. { 111 European { D.-IX clerks' quarters and Officers bungalows. (September 1915).	4,841 588 5,429	Unsanctioned.	...	2,950	...	300	3,250	3,250	.....	..	

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47	Minor Works	...	...	...	...	1,356	...	200	1,556	...
	Total I.—Division (1st Circle)	...	...	...	18,050	11,498	...	600	12,098	...
	D.—VI.—Sanitations, etc.	...	...	...	...	...	...	...	...	...
	D.—VII.—TOOLS AND PLANT.									
	1st Circle.									
	I.—Project Division.									
48	Purchasing 4 travelling cranes required in connection with the manufacture of reinforced concrete beams (January 1915).	8,000	...	...	...	7,111	...	150	7,261	7,261
49	Repairs and carriage of tools and plant during 1915-16 (April 1915).	1,600	...	...	...	609	...	21	630	...
		25,600	...	...	9,600	7,720	...	171	7,891	...
	Total I.—Project Division	...	...	...	...	...	...	...	...	...
	II.—Project Division.									
50	Repairs and carriage of tools during 1915-16 (May 1915).	400	...	...	...	411	...	...	411	...
		25,600	...	...	...	160	...	...	160	...
51	Completed items as per last month's Progress Report.	...	...	...	1,900	571	...	...	571	...
	Total II.—Project Division	...	...	...	11,500	8,291	...	171	8,462	...
	Total 1st Circle	...	...	...	...	...	...	...	...	...
	2nd Circle.									
	III.—Project Division.									
52	Light Railway, Locomotives, Rolling-stock, etc.	10,000,365	9,72,473 (£. 4,23,294)	...	...	3,511	19,116 (£. 18,000)	...	22,727 (£. 18,000)	9,95,200
53	Small tools and plant required in the construction of New Capital.	1,63,097	89,352 (£. 25,018)	...	...	21,086	10,920 (£. 5,292)	...	31,406 (£. 5,292)	1,21,258
	Carried over	...	...	...	...	24,697	29,436 (£. 23,292)	...	54,133 (£. 23,292)	...



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## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs. ...	Rs. ...	Rs. ...	Rs. 24,697	Rs. 29,436 (E. 23,292)	Rs. ...	Rs. 54,133 (E. 23,292)	Rs. ...			
	D-VII.—TOOLS AND PLANT —contd.											
	2nd Circle—contd.											
	III.—Project Division—contd.											
54	Purchase of 400 tip wagons and 7 miles of 14 lbs. track.	93,297	82,924 (E. 28,234)	...	658	...	...	658	83,482			
55	Purchase of 15 steam road rollers.	1,32,000	1,06,499 (E. 92,512)	...	20	5,217 (E. 4,750)	...	5,237 (E. 4,750)	1,11,736	.....	...	English adjustment still awaited.
56	Collecting materials for the construction of Bari-Baranli Railway. D-VII : 1,63,000 D-IX : 68,000 2,21,000	1,63,000	93,492	...	21,080	...	...	21,080	1,14,572			
57	Construction of Bari-Baranli Railway. D-VII : 4,300 D-IX : 1,12,700 1,17,000	4,300	1,786	...	492	...	...	492	2,278			

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58	Purchase of tramway track and tipping wagons.	1,23,000	22,154	...	49,579	55,084	...	1,04,663	1,26,817	...	Debits on account of running expenses of road rollers being written back to pro- per estimate.
59	Purchase of switches and rings for the light railway plant.	16,674	...	...	4,758	...	...	4,758	4,758	...	...
60	Maintenance of steam road rollers during 1915-16.	5,370	...	...	11,189	...	...	11,189	11,189	.....	...
61	Purchase and erection of a Ball Mill (108" dia.) for grinding ash D-VII D-IX	15,488 1,834	...	...	...	...	...	...	...	.....	...
62	Repairs and carriage of Tools and Plant during 1915-16.	1,400 25,600	...	...	589	...	...	589	589	.....	...
63	Purchase of tip wagons for 2 feet gauge tram line.	24,000	21,829	...	...	...	...	...	21,829	...	...
64	Completed items as per last month's Progress Report.	...	...	...	56,651	...	...	56,651	...	...	...
65	Minor Works	...	...	...	6,540	...	...	6,540	...	...	...
	Total III.—Project Division.	...	...	4,51,500 (E. 72,190)	1,76,253	89,737 (E. 28,042)	...	2,65,990 (E. 28,042)	...	...	...
	IV.—Project Division.	400	...	...	195	...	...	195	...	...	...
66	Repairs and carriage of Tools and Plant during 1915-16.	25,600	...	...	...	...	...	...	...	...	...
	Total IV.—Project Division.	...	...	1,010	195	...	...	195	...	...	...

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DELHI PROJECT DIVISION—contd.  
Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D-VII.—TOOLS AND PLANT—contd. <i>Sud Circle—contd.</i> V.—Project Division.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
67	Purchase of further tip wagons and tramway plant, 2' 6" gauge.	25,560	24,780	...	538	...	...	538	25,318	.....	...	Completion report is awaited.
68	Purchase of spare parts to replace breakage, etc., in the existing tramway plant.	7,000	3,379	...	1,043	143	200	1,386	4,765			
69	Repairs and carriage of Tools and Plant during 1915-16.	250 25,000	...	...	108	...	...	108	...			
70	Minor Works	...	...	...	68	...	...	68	...			
	Total V.—Project Division	...	...	4,620	1,757	143	200	2,100	...			

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VI.—Project Division.									
71	Repair and carriage of Tools and Plant during 1915-16.	400	...	...	282	...	50	332	...
	25,600								
Total VI.—Project Division.									
	...	...	...	880	282	...	50	332	...
Total 2nd Circle									
	...	...	458,020 (E. 72,190)	1,78,487	88,880 (E. 28,042)	...	250	2,38,617	...
Electrical Division.									
72	Purchase of engines (March 1915).	49,268	42,848 (E. 40,181)	...	324	...	...	324	43,172
73	Purchase of rock drilling machine (December 1913).	22,473	17,904 (E. 15,695)	...	121	...	...	121	18,025
74	Purchase of stone breaking plant (December 1913).	2,23,004	1,99,642 (E. 1,16,522)	...	626	...	...	626	2,00,268
75	Purchase of 6 Smiths' concrete mixers (January 1914).	39,241	34,125 (E. 28,334)	...	275	...	...	275	34,400
76	Purchase of mortar mills (January 1914).	72,546	64,822 (E. 41,479)	...	4,817	...	...	4,817	69,639
77	Purchase of additional mortar mills (June 1914).	69,720	64,808 (E. 42,924)	...	4,813	...	...	4,813	68,621
78	Repair shop (November 1913).	56,493	52,575 (E. 38,010)	...	1,223	...	...	1,223	58,798
79	Stone cutting and dressing plant, Rs. 83,800.	75,300	...	...	18,404 (E. 8,178)	E. 35,970	...	49,374 (E. 44,148)	49,374
80	Small tools and plant required in connection of above, Rs. 6,000 (June 1915).	1,24,216	...	...	...	...	...	...	...
	Purchase of additional stone dressing plant.			...	...	...	...	...	...
	Carried over			25,008 (E. 8,178)	25,008 (E. 8,178)	E. 35,970	...	61,578 (E. 44,148)	...

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## DELHI PROJECT DIVISION—contd.

## Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done, but not measured.	Total of columns 6+7+8.	Total expenditure to date columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs. ...	Rs. ...	Rs. ...	Rs. 25,603 (E. 8,178)	Rs. 36,970	Rs. ...	Rs. 61,573 (E. 44,148)	Rs. ...			
81	D-VII.—TOOLS AND PLANT— <i>concl.</i> Electrical Engineer— <i>concl.</i>	41,700	...	...	...	...	...	...	...			
	Providing shedding for cranes shafting, etc., for stone dressing plant. { D VII . D IX .	32,300	...	...	...	...	...	...	...			
82	Repairs and carriage of Tools and Plant during 1915-16 (April 1915).	20,000	...	...	17,260	...	...	17,260	...			
	Minor works	25,600	...	...	1,496	200	...	1,696	...			
83	Total Electrical Engineer	...	...	5,190	44,359 (E. 8,178)	36,170 (E. 35,970)	...	80,529 (E. 44,148)	...	...	...	Certain works which have been transferred to III. Division will be shown against that Division in next month's Progress Report. There will be no excess in expenditure over the budget grant of the Electrical Division.

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84	<i>Chief Engineer.</i> Additional survey and mathematical instruments.	6,000	5,130	...	487	61	...	548	5,678
85	Repairs and carriage of Tools and Plant during 1915-16.	700	...	...	19	...	...	19	...
	25,600								
	Total Chief Engineer	...	...	1,570	506	61	...	567	...
	<i>Arboricultural Division.</i>								
86	Repairs and carriage of Tools and Plant during 1915-16 (April 1915)	250	...	...	55	2	110	167	...
	25,600								
	Total Arboricultural Division	...	...	500	55	2	110	167	...
	<i>Deputy Sanitary Commissioner.</i>								
87	Repairs and carriage of Tools and Plant during 1915-16.	250	...	...	151	...	...	151	151
	25,600								
	Total Deputy Sanitary Commissioner.	...	...	400	151	...	...	151	...
	Total D. VII - Tools and Plant.	...	...	4,77,180	2,31,849	1,26,113	531	3,53,493	...
				(E. 72,190)	(E. 8,178)	(E. 64,012)		(E. 72,190)	

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DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 9+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	D-IX.—MISCELLANEOUS.											
	1st Circle.											
	I.—Project Division.											
88	Temporary water-supply, New Capital (August 1913).	5,60,000	5,56,678	...	23,858	...	2,000	25,858	5,82,536	...	...	Excess within 5 per cent., work almost completed.
	Supplementary	9,655										
		5,69,655										
89	Constructing latrines of bricks in mud for labour population of New Capital (June 1915).	8,060	...	...	6,655	193	700	7,548	7,548			
90	Shedding for manufacture of reinforced concrete pipes, beams, lintels, etc. (January 1915).	13,000	2,500	...	3,678	...	15	3,693	13,193			

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91	Laying cast iron pipes in Indian clerks' quarters (September 1915) D.-IX D.-VI	3,483 11,042 (Unsanctioned).	...	...	...	3,483	...	3,483	...	3,483	Estimates not yet sanctioned by the Imperial Delhi Committee. Payment of bills up to Rs. 14,500 authorised by Imperial Delhi Committee, vide their No. 1183, dated the 19th August 1915.
92	Laying 3" cast iron pipes in block No. 111, European Clerks' and Officers' bungalows (September 1915) D.-IX D.-VI	588 4,841 (Unsanctioned).	...	...	...	588	...	588	...	588	
93	Minor Works	...	...	...	600	4,024	...	...	...	...	
94	Completed works as per last month's Progress Report.	...	...	...	...	4	...	...	...	...	
	Total I.—Division	...	...	58,585	193	41,690	3,315	45,198	...	...	
	II.—Project Division										
95	Camp for Engineering staff for 1914-15 (August 1914).	21,542 25,226	6,021	...	...	—158	...	—158	60,063	...	The excess will be practically cleared when the cost of the tents debited by the Army Department is written back. It is understood that this will be done in the accounts of 1915-16
96	Preparing camps for 3 assistants to the Delhi Architects 1914-15 (January 1915).	670	262	...	...	59	...	59	311	...	
97	Installation of a temporary pumping installation in Fela.	18,100 82,964 (Gross)	4,515	...	500	3,783	...	4,283	8,798	...	
98	Minor Works	...	...	...	1,695	5,896	...	7,591	...	...	
99	Completed works as per last month's Progress Report.	...	...	...	...	7,516	...	7,516	...	...	
	Total II.—Project Division	...	...	28,429	2,195	17,096	...	19,291	...	...	
	Total 1st Circle.	...	...	87,024	5,510	64,489	...	64,489	...	...	



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## DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D.-IX.—MISCELLANEOUS— <i>contd.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	<i>2nd Circle.</i>											
	III.—Project Division.											
100	Laying 35½ miles of 41½ lbs. materials (2' 6" Gauge) (August 1913).	1,90,853	1,68,926	...	18,022	450	700	19,172	1,88,098			
101	Collection of materials for the construction of Barauli Railway (January 1915). (D-VII.)	58,000	1,755	...	47,465	3,771	...	51,236	58,001			
102	Constructing Barauli Railway. (D-IX.)	1,12,700	14,744	...	38,605	2,248	400	41,253	55,997			
103	Constructing quarters for Sub-Divisional Officer and subordinates at Barauli (September 1915). (D-VII.)	4,300	...	...	...	...	...	...	...			
	Constructing quarters for Sub-Divisional Officer and subordinates at Barauli (September 1915).	24,991	...	...	1,953	217	...	2,170	2,170			
104	Construction of a rest-house at Barauli (September 1915).	6,505	...	...	648	72	600	1,920	1,320			

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105	Purchase and erection of a Mill (108" dia.) for grinding ash.	1,894	..	..	..	..	..	..	..
106	Minor works .. .	15,488	..	..	..	..	..	..	..
107	Completed items as per last month's Progress Report.	..	..	..	6,372	..	..	6,372	..
	Total III.—Project Division.	..	..	3,09,820	1,38,353	6,758	1,700	1,46,811	..
	IV.—Project Division.								
108	Survey expenses, Roads and Irrigation.	24,712	19,928	..	2,923	7	150	2,480	21,808
109	Removing Khushak Band.	33,763	23,551	..	3,054	..	200	3,264	26,595
110	Removing the mound on the east of Kutab Road.	16,687	4,279	..	6,089	54	200	6,313	10,592
111	Clearing villages from the New Capital site.	7,150	..	..	1,969	..	2,700	4,669	4,669
112	Preparation of Net grounds south of central building. (Gross)	1,26,000	59,509	..	36,858	..	5,400	42,268	1,01,767
		1,46,000	..	..	..	..	..	..	..
113	Dismantling and clearing Arab Sarai Village.	9,848	3,766	..	965	..	..	965	4,731
114	Removing field boundaries and filling nullah in the area enclosed by the ridge and the point, I. D. B. A.	3,63,800	2,97,557	..	57,998	595	4,400	62,993	3,60,580
115	Preparation of sites between plots Nos. 120-123, 157-24, etc.	1,01,600	77,206	..	2,943	134	2,300	5,382	82,588
116	Preparation of grounds in the area D. X. C. J. Carried over	2,32,000	74,396	..	86,323	112	9,238	95,673	1,70,069
		..	..	..	1,98,507	902	24,558	2,23,997	..

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DELHI PROJECT DIVISION—contd.  
Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7 +8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	D-IX.—MISCELLANEOUS— contd.	...	...	...	1,98,507	902	24,588	2,23,997	...			
	2nd Circle—contd.											
	IV.—Project Division—concl'd.											
117	Removing 5 mounds on line B. D.	23,000	13,562	...	4,901	...	3,000	7,901	21,463			
118	Diverting Kushak Nullah— Revised	21,522										
	Supplementary	9,331										
		30,853	4,564	...	18,289	1,185	6,500	25,954	30,318			
119	Service Road 80—81	5,927	2,087	...	687	...	...	687	2,724			
120	Levelling blocks 18, 12 to 15, 24, 4, 22, 16, 138 to 142, 5 to 7 and a portion of block 169.	1,38,350	...	...	3,227	279	30,100	33,606	33,606			
121	Completed work	...	...	...	100	...	...	100	...			
122	Minor Works	...	...	...	2,906	152	24	3,082	...			
	Total IV.—Project Division	...	...	4,05,415	2,28,597	2,518	64,212	2,95,327	...			

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V.—Project Division.									
123	Levelling Raisins Hill (Gross down to R. L. 728. } Net .	2,06,850	2,33,870	...	1,632	150	...	1,782	2,35,652
		86,850	1,04,426	...	—4,351	150	...	—4,201	1,00,225
124	Lowering site North (Gross and South of Raisina } Hill.	2,00,000	1,03,815	...	65,690	4,810	6,000	76,500	1,80,315
		99,000	77,946	...	53,221	4,810	6,000	64,031	1,41,977
125	Preparation of scale model of the layout and public buildings.	18,275	7,534	...	1,555	38	...	1,593	9,127
126	Experimental walling, etc.	29,900	21,749	...	2,306	6	...	2,312	24,061
127	Shedding on works } Supplementary . . .	60,000 5,050	60,014	...	1,637	160	...	1,797	61,811
		65,050		...					
128	Levelling ground North and South of the Secretariat building.	31,500	...	...	...	...	...	...	...
129	Minor Works . . .	...	...	...	2,526	...	...	2,526	...
	Total V.—Division .	...	...	1,28,615	56,894	5,164	6,000	68,058	...
VI.—Project Division.									
130	Levelling site of Government House to R. L. 714'00 (January 1915). } Gross	26,775	18,645	...	—2,076	30	...	—2,046	16,599
		17,200	...	...	...	...	...	...	...
131	Levelling ground North and South of Government House in plot Nos. 107, 31, and a portion of plot 41 (July 1915).	57,286	...	...	7,615	3	100	7,718	7,718
132	Minor works . . .	...	...	...	1,409	...	10	1,419	...
133	Completed works as per last month's Progress Report.	...	...	...	10	...	...	10	...
	Total VI.—Project Division.	...	...	30,085	6,958	83	110	7,101	...

Supplementary to item No. 124 and will be shown as one item in the next month's Progress Report.

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## DELHI PROJECT DIVISION—contd.

## Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D.-IX.—MISCELLANEOUS— contd.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	2nd Circle—contd.											
	Land Acquisition Officer.											
134	Providing permanent boundary pillars for New Capital.	6,777	3,842	...	1,094	305	500	1,899	5,741			
	Total Land Acquisition Officer	...	...	2,900	1,094	305	500	1,899	...			
	Total 2nd Circle	...	...	8,76,835	4,31,896	14,778	72,522	5,19,196	...			
	Electrical Engineer.											
135	Electrical power and distribution plant for construction purposes (September 1913).	2,49,444	2,34,117 (E. 35,190)	...	7,499	11,500	...	18,999	2,53,116			
136	Sinking and testing tube wells in new city area (August 1914).	8,726	4,492	...	4,429	...	...	4,429	8,921			
137	Purchase of 3 Batteries of mortar mills (January 1914).	11,868	7,107	...	4,545	...	...	4,545	11,652			
	D.-IX { D.-VII {	72,546	...	...	...	...	...	...	...			

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138	Purchasing 3 additional batteries for mortar mills (June 1914).	10,857	11,250	...	—887	...	...	—887	10,363
139	Repair shop (November 1916).	69,720	...	...	...	...	...	...	...
140	Camp for Engineering staff for 1914-15.	16,200	17,909	...	1	...	...	1	17,910
141	Providing sheddings, cranes, shafting, etc., for stone dressing plant.	56,483	...	...	...	...	...	...	...
142	Minor Works	3,684	3,182	...	90	...	...	90	3,222
		25,226	...	...	...	...	...	...	...
143	Sanitary Engineer. Survey expenses—water-supply and sewage.	32,300	...	...	...	...	...	...	...
144	Sanitary Engineer. Minor Works	41,700	...	...	...	...	...	...	...
		...	...	...	6,671	1,190	7,861	...	...
	Total Electrical Engineer	...	...	23,717	22,843	11,500	1,190	35,088	...
145	Sanitary Engineer. Deputy Sanitary Commissioner. Minor Works	12,100	6,129	...	1,827	...	...	1,827	7,956
		...	...	...	...	...	...	...	...
	Total Sanitary Engineer	...	...	2,500	1,827	...	...	1,827	...
		...	...	...	...	...	...	...	...
	Deputy Sanitary Commissioner. Minor Works	...	...	...	1,065	...	...	1,065	1,065
	Total Deputy Sanitary Commissioner.	...	...	2,900	1,065	...	...	1,065	...
	Total D.-IX.—Miscellaneous	...	...	9,92,976	5,15,922	26,471	79,222	6,21,615	...

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DELHI PROJECT DIVISION—contd.

Progress Report for the month ending 31st October 1915—contd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D-X.—MAINTENANCE DURING CONSTRUCTION.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
	1st Circle.											
	I.—Project Division.											
146	Maintenance of temporary water-supply during 1915-16 (Net (April 1915).	36,134	...	...	19,971	...	500	20,471	...			
147	Minor Works . . .	...	...	...	9,104	664	1,280	11,048	...			
148	Completed work . . .	...	...	...	132	...	...	132	...			
	Total I.—Project Division .	...	...	37,092	29,207	664	1,780	31,651	...			
	II.—Project Division.											
149	Minor Works . . .	...	...	...	6,281	...	2,310	8,591	...			
	Total II.—Project Division	...	...	20,548	6,281	...	2,310	8,591	...			
	Total 1st Circle	...	...	57,640	35,488	664	4,090	40,242	...			

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2nd Circle.									
III.—Project Division.									
150	Banning expenses of (Gross Railway for general purposes during 1915-16.	1,28,252	...	...	60,120	5,234	...	65,354	...
151	Running expenses of 12 Gross steam road rollers for the year 1915-16.	25,000	...	...	...	...	...	...	...
152	Running and main- taining 5 steam lor- ries and one motor- tractor during 1915- 16.	17,618	...	...	8,306	...	...	8,306	...
153	Running expenses of 3 steam water carts (Maintenance of roads during 1915-16).	17,518	...	...	...	...	...	...	...
	5,475	...	...	...	834	...	...	834	...
	32,164	...	...	...	...	...	...	...	...
	Minor Works	...	...	...	1,105	...	...	1,105	...
	Total III.—Project Division	...	...	55,435	69,915	5,234	...	75,149	...
IV.—Project Division.									
154	Maintenance of roads during 1915-16.	26,689	...	...	15,051	11	3,160	18,222	...
155	Minor Works	32,164	...	...	1,435	44	212	1,721	...
	Total IV.—Project Division	...	...	29,420	16,516	65	3,372	19,943	...
V.—Project Division.									
156	Minor Works	...	...	...	603	...	100	703	...
	Total V.—Project Division	...	...	2,125	603	...	100	703	...
VI.—Project Division.									
157	Minor Works	...	...	...	636	...	450	1,086	...
	Total VI.—Project Division	...	...	1,080	636	...	450	1,086	...
	Total 2nd Circle	...	...	88,010	87,070	5,289	3,922	96,881	...



## Proceedings of the meetings of the Imperial Delhi Committee.

## DELHI PROJECT DIVISION—concl'd.

## Progress Report for the month ending 31st October 1915—concl'd.

Serial No.	Name of work and date when commenced.	Amount of sanctioned estimate.	Expenditure during previous year.	Current year's allotment.	Outlay during current year as shown in Register of Works.	Liabilities as shown in Liabilities Register.	Approximate value of work done but not measured.	Total of columns 6+7+8.	Total expenditure to date, columns 9+4.	Remarks by Executive Engineer.	Remarks by Superintending Engineer.	Remarks by Chief Engineer.
1	2	3	4	5	6	7	8	9	10	11	12	13
	D.-X.—MAINTENANCE DURING CONSTRUCTION —concl'd.											
	Superintendent, Arboricultural Operations.											
158	Maintenance of Arboricultural nursery during 1915-16.	15,068	...	...	6,739	33	866	7,698				
159	Minor works . . .	...	...	...	1,510	5	425	1,940				
	Total Arboricultural Operations	...	...	20,540	8,249	38	1,291	9,578				
	Electrical Division.											
160	Running of the electrical construction plant during 1915-16 { Gross	57,125	...	...	15,901	...	...	15,901				
	{ Net	20,000	...	...	...	...	...	...				
161	Minor works . . .	...	...	...	2,614	...	...	2,614				
	Total Electrical Division	...	...	25,918	18,515	...	...	18,515				
	Deputy Sanitary Commissioner											
162	Sanitary and Conservancy arrangements during 1915-16.	18,500	...	...	10,781	...	...	10,781				
163	Upkeep of hospital and dispensary.	4,700	...	...	3,669	98	...	3,767				

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164	Completed items as per last month's progress report.	...	...	...	1,739	...	...	1,739	...	...	...
	Total Deputy Sanitary Commissioner	...	...	24,930	16,189	98	...	16,287	...	...	...
	Total D.-X.—Maintenance during construction.	...	...	2,17,088	1,66,111	6,089	9,303	1,81,503	...	...	...
	ABSTRACT.										
	D I. (a) Government House	...	...	3,13,050	1,73,805	1,901	15,500	1,91,209	...	...	...
	(b) Secretariats	...	...	6,02,649	4,36,694	7,780	83,700	4,78,174	...	...	...
	(c) Other buildings	...	...	12,22,535	6,50,055	2,738	82,648	7,35,441	...	...	...
	D-II.—Communications	...	...	2,73,520	1,51,023	3,974	25,036	1,80,083	...	...	...
	D-III.—Misc. Pub. Impts.	...	...	53,970	25,583	...	4,410	29,993	...	...	...
	D-IV.—Irrigation	...	...	20,000	...	...	...	...	...	...	...
	D-V.—Sanitation, etc.	...	...	18,050	11,498	...	600	12,098	...	...	...
	D-VII.—Tools and Plant	...	...	4,77,180	2,81,849	1,26,113	531	3,58,493	...	...	...
		...	...	(E.72,190)	(E.8,178)	(E.64,012)	...	(E.72,190)	...	...	...
	D-IX.—Miscellaneous	...	...	9,92,976	5,15,922	26,471	79,222	6,21,615	...	...	...
	D-X.—Maintenance during construction.	...	...	2,17,038	1,66,111	6,089	9,303	1,81,503	...	...	...
	Total	...	...	41,90,968	23,62,540	1,75,069	2,50,950	27,88,559	...	...	...
		...	...	(E.72,190)	(E.8,178)	(E.64,012)	...	(E.72,190)	...	...	...
	Add minus reserve	...	...	-12,64,969	...	...	...	...	...	...	...
	Grand total excluding D.-VIII	...	...	29,25,999	23,62,540	1,75,069	2,50,950	27,88,559	...	...	...
	Stock and Suspense—	English	...	(E.72,190)	(E.8,178)	(E.64,012)	...	(E.72,190)	...	...	...
	Ditto.	Indian	...	72,190	8,178	64,012	...	72,190	...	...	...
	Add for D.-VIII.—Stock and Suspense.	English	...	28,404	...	28,767	...	28,767	...	...	...
		Indian	...	2,91,596	1,63,341	19,018	...	1,82,359	...	...	...
	Grand Total	English	...	1,00,594	8,178	87,779	...	95,957	...	...	...
		Indian	...	31,45,405	25,17,703	1,80,075	2,50,950	28,98,728	...	...	...
	Grand Total English and Indian	...	...	32,45,999	25,25,881	2,17,854	2,50,950	29,94,685	...	...	...

D.-VIII.—Stock and Suspense.  
Debit on stock to end of September 1915, against the limit of Rs. 13 lakhs is Rs. 11,54,255.  
The net expenditure during the year up to September 1915 is Rs. 1,60,128 excluding Rs. 3,213 debited to Miscellaneous advances for constructing foundations for central columns of Viceroy's court pending receipt of contribution from His Highness the Maharaja of Jaipur.

**PRELIMINARY EXPENSES IN CONNECTION WITH THE LIGHTING OF THE  
IMPERIAL SECRETARIATS.**

**No. 58.**

No. 025, B. D., dated Delhi, the 22nd December 1915.

File  
No. 45.

From—The Secretary to the Government of India, Public Works Department.

To—The President, Imperial Delhi Committee.

In reply to your letter \* No. 1802, dated the 15th December 1915, I am directed to say that the Government of India sanction the estimate submitted therewith amounting to Rs. 2,924 for preliminary expenses in connection with the lighting of the Imperial Secretariat in new Delhi, debitable to the following sub-heads of allocation :—

\* Pro. December 1915, No. 47, A, file 45

	Rs
1. Lighting . . . . .	2,784
2. Contingencies and petty supervision . . . . .	140
Total . . . . .	<u>2,924</u>

**No. 59.**

No. 1841, dated Delhi, the 22nd December 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Chief Engineer, Delhi, for information, with reference to his memorandum † No. 3028, dated 29th November 1915.

† Pro. December 1915, No. 46, A, file 45.

2. Copy forwarded to the Audit Officer, Delhi, for information.

**PRELIMINARY DESIGNS OF THE GREAT PLACE AND CENTRAL VISTA AND PROPOSALS FOR CARRYING OUT THE WORK.**

File  
No. 47.

No. 811-W., dated Delhi, the 24th March 1914.

**No. 60.**

From—The Chief Engineer, Delhi Province.

To—The Secretary, Imperial Delhi Committee, Delhi.

A sketch plan\* of the Forecourt or Great Place is submitted herewith, together with an approximate estimate† based on sketches‡ Nos. 50, 51 and 53, which were taken away by Mr. Lutyens' Assistant. The estimate amounts to Rs. 5,28,000 and does not include statuary, fountains, electric lighting or arrangements for supplying water for the fountains, etc.

\* Unprinted K.-W.

† Pro. No. 61, *infra*.

‡ Not printed.

There is no provision in the Project estimate§ for the scheme and the cost of whatever is done except the gardening, water piping, and electric lighting must be found from the general reserve.

§ Pro., January 1914, Nos. 29-42, A, file 5.

It is for the Committee to decide what sum the Architects should be limited to.

to.

**ROUGH APPROXIMATE ESTIMATE FOR FORECOURT.**

**No. 61.**

This rough estimate for the forecourt east of the Secretariat buildings has been prepared by working out the cost of the various items from the plans supplied by the Architects.

The boundary wall item (vi) is of brick with a stone slab coping only

Items (vii), (viii) and (ix) are all of red sandstone fine chisel dressed; where the thickness permits the red stone face will be hearted with brick or concrete.

The fountain basins item (ii) will consist of red stone moulded walls and the tab bottom of cement concrete or asphalt covered with sawn edge slate slabs. No marble is allowed for.

The estimate does not provide for the actual fountain or any statuary or gates. The water supply connection and electric lighting standards are also not included in this estimate.

The court will be metalled with kunkar and spread with red bajri.

Quantity or No.	Abstract of expense.	Rate.	Per	Amount.	TOTAL.
		Rs. A. P.		Rs.	Rs.
(i)	Estimated net cost of levelling off to R. L. 697.	...	...	27,804	
(ii) 84,086 s. ft.	Fountain basins with red stone moulded walls.	2 8 0	s. ft.	2,10,215	
(iii) 4,87,480 "	Metalled roadway and court	10 0 0	%	48,748	
(iv) 11.2 acres.	Turfing	215 0 0	Acre	2,408	
(v) 8,388 r. ft.	Road side curbs and drains	1 8 0	r. ft.	12,582	
(vi) 710 "	Boundary wall	4 8 0	"	3,145	
(vii) 4 No.	Large pedestals for statuary	4,000 0 0	each	16,000	
(viii) 12" Nos.	Small "	1,500 0 0	"	18,000	
(ix) 1,056 r. ft.	Circular stone railing	150 0 0	r. ft.	1,58,400	
(x) Item	Estimated extra cost of Secretariat walls owing to lowering level of Forecourt from 702 to 697.	...	Lump sum.	2,800	
(xi) Item	Estimated extra cost of Secretariat walls in the case of East walls of the Secretariat courts for stables, menials, etc. Say	...	Lump sum.	3,000	
	Add 5 per cent. for petty supervision and contingencies.	...	...	5,03,082 25,154	
				Say	5,28,236 5,28,000

**Preliminary designs of the Great Place and Central Vista and proposals for carrying out the work.**

**No. 62.**

No. 880, dated Delhi, the 27th April 1914.

From—The Secretary, Imperial Delhi Committee.

To—The Chief Engineer, Delhi.

With reference to your Memorandum \* No. 811-W., dated the 24th March 1914, I am directed to say that no steps can be taken towards communicating a limit of cost in respect of the Forecourt or Great Place to the Architects until the orders of the Secretary of State have been received regarding the Project estimate. \*

\* Pro. No. 60, *supra*.

\* Pro., January 1914, Nos. 29-42, A, file 5.

**No. 63.**

Telegram No. 22, dated Delhi, the 23rd October 1914.

From—The Secretary, Imperial Delhi Committee.

To—E. L. LUTYENS, Esq., F.R.I.B.A., 17, Queen Anne's Gate, Westminster, S.W., London.

Committee consider that sketches for estimating purposes left by you of Great Place and Central Vista proved rather too costly. Committee desire that you should submit by 15th January 1915 preliminary designs and sketches of the Great Place and Central Vista to a limit of cost of Rs. 8 lakhs in all. Suggested distribution of the sum of Rs. 8 lakhs is Rs. 3 lakhs for Great Place and Rs. 5 lakhs for Central Vista; but as long as total limit of cost of Rs. 8 lakhs is not exceeded there is no objection to your proposing changes in distribution. The above limit covers structural work only. Inform Baker.

No. 2128, dated Delhi, the 24th October 1914.

Copy forwarded by post.

**No. 64.**

Telegram dated London, the 31st October 1914.

From—E. L. LUTYENS, Esq., F.R.I.B.A., 17, Queen Anne's Gate, Westminster, S.W., London.

To—The Secretary, Imperial Delhi Committee, Delhi.

Kindly cable amount you estimated Great Place and Central Vista.

**No. 65.**

Telegram No. 23, dated Delhi, the 6th November 1914.

From—The Secretary, Imperial Delhi Committee, Delhi.

To—E. L. LUTYENS, Esq., F.R.I.B.A., 17, Queen Anne's Gate, Westminster, S.W., London.

Reference your cable† dated 31st October. The figures for your sketches for estimating purposes worked out as follows. Great Place five lakhs and twenty-five thousands, Central Vista eight lakhs and twenty-five thousands. The rate for the latter came to rupees one hundred and twenty per running foot of the Central Vista.

† Pro. No. 64, *supra*.

No. 2198, dated Delhi, the 6th November 1914.

Copy forwarded by post.

**No. 66.** *Extract from the Proceedings of the 60th meeting of the Imperial Delhi Committee held on the 6th November 1914.*

2. Considered a cablegram§ dated 31st October 1914, from Mr. Lutyens, enquiring the estimated cost of the Great Place and Central Vista according

§ Pro. No. 24, *supra*.

**Preliminary designs of the Great Place and Central Vista and proposals for carrying out the work.**

to the sketches which he left behind for estimating purposes. Resolved that the following reply be sent: "The figures for your sketches for estimating purposes worked out as follows:—Great Place 5½ lakhs; Central Vista 8½ lakhs. The rate for the latter came to Rs. 120 per running foot of the Central Vista."

No. 2206, dated Delhi, the 7th November 1914.

**No. 67.**

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Chief Engineer, Delhi, for information, in continuation of the correspondence ending with the letter\* from this office No. 880, dated 27th April 1914.

\*Pro. No. 62, *supra*.

No. Nil, dated Delhi, the 27th January 1915.

**No. 68.**

From—E. L. LUTYENS, Esq., F.R.I.B.A., Architect, Delhi.

To—The Secretary, Imperial Delhi Committee, Delhi.

I have sent to-day to the Chief Engineer drawings as per separate list,† being drawings and details of the Great Place for estimating purposes.

† Pro. No. 69, *infra*.

*List of Drawings.*

**No. 69.**

GREAT PLACE AND CENTRAL VISTA.

Drawing No. 1	Plan of Great Place.
" " 2	½" " Details of circular walls and pedestals.
" " 3	½" " " " fountains.

Memorandum No. 2922-W., dated Delhi, the 15th November 1915.

**No. 70.**

From—The Chief Engineer, Delhi.

To—The Secretary, Imperial Delhi Committee.

I submit herewith the preliminary designs † for the Great Place together with an approximate estimate ‡ of cost amounting in round figures to Rs. 5,92,800 exclusive of contingencies.

† Unprinted K.-W.

§ Not printed

2. The Committee will remember that in October 1914 a limit of Rs. 8 lakhs was fixed for the Great Place and Central Vista and they proposed a distribution of Rs. 3 lakhs for the former and Rs. 5 lakhs for the latter, leaving the Architects' discretion to propose a redistribution. We have received preliminary designs for the Great Place, the cost of which amounts to Rs. 5.92 lakhs. With regard to the Central Vista various sketches have been figured to cost about Rs. 3 to 3½ lakhs but these are not in a form in which they can be submitted for administrative approval. It will be gathered from the statements above that the Architects' proposed distribution is practically a reversal of that suggested by the Committee, and there is, in my opinion, a reasonable prospect of the figures for the Central Vista working out to within 10 per cent. of Rs. 3 lakhs.

Pro. No. 63, *supra*.

3. The preliminary designs || submitted herewith are figured to cost Rs. 5,92,800 exclusive of statutory and contingencies. This figure is above what can be afforded for the Great Place within the limit of cost of Rs. 8 lakhs. If however the basins be omitted and left to be added afterwards when funds permit the cost will be roughly Rs. 4.75 lakhs exclusive of contingencies and Rs. 5 lakhs with contingencies exclusive of

|| Unprinted K.-W.

**Preliminary designs of the Great Place and Central Vista and proposals for carrying out the work.**

statuary. This omission has been suggested verbally to the Architects and approved by them on the understanding that the basins be shown as part of the complete scheme. An approximate estimate\* for the work covered by Rs. 5

\* Not printed.

lakhs is enclosed for submission to the Government of India for administrative approval. Plans\* 418, 419 and 420 show the preliminary designs and plan 488 show the general scheme of connection with the Central Buildings and the Central Vista. The latter item will be dealt with in conjunction with the Architects during the ensuing cold weather. It is recommended that the work provided for in the Rs. 5 lakhs estimate be carried out.

4. In connection with the Great Place the item for filling has to be carried out whether the masonry work is done or not and an estimate† for this is enclosed

† Not printed.

for favour of early sanction to facilitate operations.

5. As soon as administrative sanction has been accorded steps should be taken to get in the sub-grade work provided for under items 2, 3, 4 and 5 for economical reasons, the superstructure being left until a later date.

The grassing and road work shown on plan‡ 488 were provided for under heads D-II and D-III in the project estimate§ and are not included in the estimate now submitted. The work now estimated for did not find a definite place in the Project estimate as there was no data on which to base a figure and it was contemplated that provision could be made for it from the reserve.

‡ Not printed.

§ Pro., January 1914, Nos. 29-42, A, file 5.

**No. 71.**

No. 1859, dated Delhi, the 27th December 1915.

From—The Secretary, Imperial Delhi Committee, Delhi.

To—The Secretary to the Government of India, Public Works Department, Simla.

I am directed by the Imperial Delhi Committee to forward a copy of a

¶ Pro. No. 70, *supra*.

¶ Plans C. E.'s Nos. 418, 419, 420 and 488.

Memorandum|| from the Chief Engineer, No. 2922-W., dated the 15th November 1915, with which he submits the preliminary designs¶ for the Great Place to the east of the Secretariat together with an approximate estimate¶¶ of the cost. I am also to forward the plans noted in the margin.

¶¶ Not Printed.

2. In the Project estimate,†† as framed by the Committee, provision was made under D-III (Miscellaneous Public Improvements) for the layout the of Zabtaganj Park including both the Great Place and the Central Vista so far as the superficial earthwork and turfing was concerned (Project Estimate, Volume II, page 225). Provision was also made for the roadways in both under D-II (Communications), partly under A—Avenues and partly under F.—Miscellaneous Roadways and Roadways in parks. But no specific provision was made for the structural work known to be necessary in either case, because there were no data then available on which any definite figure could be based. It was intended that the necessary allocation should eventually be made from the provision of Rs. 32,37,000 for unforeseen expenditure and contingencies under D I (A) Central Buildings. This provision, having been absorbed in the general reserve of one million sterling, the cost of any structural work which is undertaken in the Great Place or the Central Vista must be met by an allocation from that source.

†† Pro., January 1914, Nos. 29-42, A, file 5.

3. When the Project Estimate‡‡ had been sanctioned by the Secretary of

‡‡ Pro., July 1914, No. 34, A, file 24.)

§§ Pro., January 1914, No. 49, A, file 7.

State it became necessary for the Committee in accordance with their agreement§§ with the Architects to indicate the limit of cost for which the preliminary designs should be prepared. The only materials available were some rough sketches made by the Architects from which it appeared that the work in the Great Place would cost about Rs. 5.28 lakhs and that in the Central Vista

**Preliminary designs of the Great Place and Central Vista and proposals for carrying out the work.**

Rs. 8·25 lakhs or Rs. 13·53 lakhs in all. The Committee were of opinion that the total expenditure proposed was larger than they could recommend to the Government of India, and that no useful purpose would be served by submitting sketches which they were unable to approve. After consideration therefore they requested the Architects to submit preliminary designs and sketches for the Great Place and Central Vista to a limit of Rs. 8 lakhs. They suggested the allocation of Rs. 5 lakhs to the Central Vista and Rs. 3 lakhs to the Great Place but left the distribution to the Architects so long as the total was not exceeded.

Pro. No. 63, *supra*.

4. The total cost of the designs now submitted for the Great Place is Rs. 5·93 lakhs. The sketches hitherto received for the Central Vista have been priced at from Rs. 3 to Rs. 3·5 lakhs, but cannot yet be submitted for administrative approval. It will be seen, however, that the Chief Engineer believes, that designs can be worked out for the Central Vista to cost within ten per cent of Rs. 3 lakhs. The Committee are of opinion that the figure Rs. 5·93 lakhs for the Great Place (exclusive of statuary and contingencies) is higher than in the circumstances is reasonable. If however the basins marked A A in plan \*

\* Not printed.

C. E No 420 be omitted the cost is reduced to Rs. 4·75 lakhs or Rs. 5 lakhs including contingencies. The Committee agree with the Chief Engineer that these basins can without disadvantage be omitted and left to be added when funds permit. With this modification they think that the proposals made are suitable. I am therefore to ask that on this understanding the administrative approval of the Government of India may be accorded to the rough estimate of Rs. 5,00,000 for the structural work in the Great Place. I am to add that the basins and statuary shown in the drawings are diagrammatic only and do not represent the Architect's matured intentions.

5. It is desirable that the filling should be commenced at once and I am

† Not printed.

‡ Pro. No. 70 *supra*.

therefore to ask that sanction may be accorded to the estimate† for Rs. 30,450 which is also attached to the Chief Engineer's Memorandum.‡ Estimates for the foundation work are in preparation and will be submitted at an early date.

No. 1860, dated Delhi, the 27th December 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Chief Engineer, Delhi, for information.

**No. 72.**



**PROPOSALS FOR THE LAYOUT OF THE EDUCATIONAL BUILDINGS IN NEW DELHI.**

**No. 73.**

No. 91-B. D., dated Simla, the 10th August 1915.

File  
No. 48.

From—P. HAWKINS, Esq., Deputy Secretary to the Government of India, Public Works Department.

To—The President, Imperial Delhi Committee.

I am directed to say that, in the present layout,\* plots Nos. 134 and 148, measuring 87.1 and 89.6 acres, respectively and having a total area of 176.7

\* Not printed.

acres have been allotted for an enclave for Educational buildings. This area is now found to be insufficient as it is desired to provide in the Educational enclave a compact site for two colleges and a university, and the Government of India propose therefore to add to it an area of 53.3 acres by allotting a strip of land south of and along the road X H J in plots 135 and 158 which are at present reserved for Rajahs.

2. I am to state that the Government of India understand that the Imperial Delhi Committee propose to provide a site for a school for Indian clerks' children in plot No. 99 and that space will be available for a playground for the proposed institution in plot No. 101.

3. In addition to these institutions the Government of India desire to locate a High School for European children and a girls' school within the layout, the former in some suitable area in the block reserved for European clerks' quarters and the latter either in plot No. 114 or in proximity to plot No. 84.

4. Should it be decided to construct an Oriental Research Institute and a museum these could be conveniently located on two of the blocks which have been reserved for institutions of this nature at point B, so they need not be provided for in the Educational enclave.

5. I am to request that the Imperial Delhi Committee will consider these arrangements and submit for approval a layout plan for the Educational enclave, and also report where they would propose to locate the schools referred to in paragraph 3.

**No. 74.**

No. 1150, dated Delhi, the 16th August 1915.

*Endorsement by the Secretary, Imperial Delhi Committee.*

Copy forwarded to the Chief Engineer, Delhi, for favour of early report.

**No. 75.**

No. 2225-W., dated Delhi, the 21st August 1915.

From—H. T. KEELING, Esq., C.S.I., Chief Engineer, Delhi,

To—The Secretary, Imperial Delhi Committee.

With reference to paragraph 5 of letter † No. 91-B. D., dated the 10th August 1915, from the Government of India, Public Works' Department, enclosed with your No. 1150, ‡ dated

† Pro. No. 73, *supra*.

‡ Pro. No. 74, *supra*.

the 16th idem, I have the honour to point out that the preparation of a layout plan on the data given (two colleges and a university) is not possible. I appreciate the fact that definite data are not available at the present time, but in order to arrive at the area given the Education Department must have some idea of the number of students the two colleges are likely to have at the outset and to what number it is contemplated they will expand, also to what extent it is expected the colleges will be residential and what subjects will be taught (*i.e.*, whether either or both will be purely technological or not, or whether either or both will be purely Art colleges). Similarly the Education Department must have ideas with regard to the university and

**Proposals for the layout of the Educational buildings in New Delhi.**

whether it is contemplated that the colleges will use any of the university class rooms.

It is impossible to make a layout plan on the data given, but it is possible to make one on broad lines if we are supplied with the following information :—

- (a) Number of students contemplated in each college and the university to start with.
- (b) Expansion of numbers contemplated
- (c) Whether females are expected and if so in what numbers and what expansion of numbers is contemplated.
- (d) To what extent is it expected that the colleges and university will be residential.
- (e) General character of the colleges and university, *i.e.*, what subjects will be taught.
- (f) Whether any of the university lecture rooms will be available for use by either or both of the colleges and if so which

For the reasons given above I suggest that the Education Department be asked to furnish answers on broad lines to the above.

Note dated 21st December 1915 by Mr. W. H. NICHOLLS, Architect Member, Imperial Delhi Committee. **No. 76.**

The layout A 906 for Educational institutions was discussed at a recent Committee meeting.\* I now send a blue print.†

\* Pro., September 1915, No. 37, A, file 1.  
† Not printed.

In their letter‡ No. 91-B. D., dated 10th August 1915, forwarded to the Chief Engineer with No. 1150,§ dated 16th August 1915, from the Secretary, Imperial Delhi Committee, the Government of India considered inadequate the

acreage provided for Educational institutions in the general layout of the New City (Refer to C. E. 224). The layout A 906 has been drawn in order to show what acreage is required to accommodate the various buildings comprising the University, Government (or Hindu College, and St. Stephen's College. The requirements of these various institutions are vague. Such calculations regarding floor space in rooms as have been made have been based principally upon Mr. Anderson's figures;||

‡ Pro. No. 73, *supra*.

§ Pro. No. 74, *supra*.

but no importance has been attached to his speculations regarding proportionate verandah space, which must of course depend upon the design of the building. It will be seen that a strip of land

¶ Not printed.

along the road X-J, shown as sites for Rajahs on C. E. 224, ¶ has now been included in the space available for Educational Institutions, while a strip is cut out of plot 134 along the road D-X for hotels and flats with a view to getting the buildings to balance across the road in deference to the views expressed by Messrs. Lutyens and Baker.

The main features of the layout A 906 are the location of the university building in the centre of a square at H, and the balancing of the college buildings opposite each other on the road D-H, while the hostels are kept away from any of the main roads.

*University building.*—The requirements are not known. For the purposes of the layout it has been assumed that a single-storeyed building 145 feet square will be sufficient. It would contain a large hall with approximately 4,500 square feet of floor space, ten rooms about 20 feet square, lavatories and an entrance hall. It is thought that a building of this kind would lend itself to symmetrical treatment and that it would show to advantage in the middle of a square where roads intersect. This would be a most economical arrangement, because in any case the circus at H must be of considerable size for convenience of traffic, and if no building is placed in the middle, a certain

**Proposals for the layout of the Educational buildings in New Delhi.**

amount of space is bound to be wasted. It will be seen that A 906 shows the road between plots 135-143 diverted so as not to enter the circus at H.

\*Not printed.

This road as shown on C. E. 224\* would interfere with a symmetrical treatment of the building with relation to the roads leading up to it, and it would also give a very inconvenient sharp angle at the northern point of plot 143 which would involve some waste of ground.

*The Government College building*—The block plan† shown on the layout A 906 would suffice for a single-storeyed building containing a floor space in rooms

† Not printed

of about 19,200 square feet, and comprising a hall about 70×40 feet: library about 70×20: 6 class rooms about 30×20: 9 class rooms about 20×20: 9 professors' rooms: 5 study rooms: a senior and junior common room and suitable lavatory accommodation.

*Science blocks.*—Four science blocks are shown on the layout‡ A 906, each of which would contain a floor space in rooms of approximately 9,700 square

‡ Not printed.

feet. The plan must however be taken merely as indicating the possibility of fitting in four such blocks whether for science or other purposes within the space provided: not that the Imperial Delhi Committee anticipate that four such blocks will necessarily be required.

Mr. Anderson hazarded the suggestion that 10,000 square feet of floor space for science purposes common to both the Government College and St. Stephen's College would suffice. This accommodation would approximately be provided by one of the four blocks shown on the layout.

*St. Stephen's College building.*—We have an original approximate estimate§ Rs. 2,75,000 and a revised approximate estimate Rs 2,00,000 but no

§ Pages 3-4 of B., file 173 of 1915.

schedule of the required accommodation which these figures are supposed to represent.

Mr. Anderson anticipates that the class rooms might be rather smaller than those in the Government College but that the same number of subjects will be taught in both colleges. For the purpose of the layout, which is merely to determine the acreage required, I have assumed that St. Stephen's College main building will be of approximately the same size as the Government College main building, viz., 19,200 square feet of floor space.

*Government College hostel.*—Mr. Anderson's note || regarding the number of students is somewhat vague. The block plan shown on the layout¶ A 906 provides for a two-storeyed building containing 80 rooms each 20×15 on each floor,

|| Unprinted K.-W.

¶ Not printed.

based on the Dacca model with quarters for Superintendents over two gateways (page 54 of the printed report No. 6, Education Department). Allowing four students in a room, this building would contain 320 students on each floor or 640 altogether.

The annexes outside the main quadrangles of the hostel represent on the one side dining rooms and kitchens (4 dining rooms each 60×40) and on the other side a yard containing latrines and bathing places. There would be access to both these annexes by means of enclosed and covered passages from the Hostel quadrangle

*St. Stephen's College hostel.*—It is assumed that a building containing approximately half the accommodation provided for the Government College hostel would house all the students at St. Stephen's College. Mr. Anderson puts the number of students at St. Stephen's College at 200. It appears from the

\*\* Pages 3-4 of B., file 173 of 1915.

approximate estimate \*\* that the St. Stephen's College authorities contemplate the erection of three hostels but the number of students to be provided for in each is not known. The layout A 906 would not be materially affected by splitting the hostel into three smaller blocks.

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*Professors' residences.*—Sites which would be suitable for 30 small residences with compounds about 300 feet  $\times$  200 feet are shown along the road X-J. Of these it appears that St. Stephen's College will require six. The remainder may I suggest be regarded for the present as spare sites upon which persons connected with the Educational institutions would have the first claim.

*Miscellaneous.*—The two plots containing 15.9 and 19.9 acres, respectively, in the North corner of the site (A 906) are left blank for playing fields. Sites for two sanatoriums are shown near them.

The "Mess Chapel and Guest Room" mentioned in the St. Stephen's College approximate estimate\* is not shown on the layout as no particulars are given regarding the building but it is clear from the approximate estimate of its cost that it would not be a large building.

\* Pages 3-4 of B., file 173 of 1915.

No. 1847, dated Delhi, the 23rd December 1915.

**No. 77.**

From—The Secretary, Imperial Delhi Committee.

To—The Secretary to the Government of India, Public Works Department.

I am directed to refer to Mr. Hawkins' letter † No. 91-B. D., dated 10th

† Pro. No. 73, *supra*.

‡ Not printed.

August 1915, and to submit design ‡ A 906, which shows the proposals for the layout of the Educational buildings refer-

red to in paragraph 1 of that letter.

2. It was the desire of the Government of India that plots 134 and 148 with an area totalling 176.7 acres and an area of 53.3 acres taken from plots 135 and 158 should be used for the purposes of the Educational enclave. The proposals now submitted do not include the whole of plot 134. A strip has been cut out of this plot along the road DX for hotels and flats with a view to balance the buildings on each side of the road DX. This has been done in deference to the views of the Architects of the Central buildings, who attach great importance to the architectural features of the road D X B E. A strip of land has been included in the layout scheme for these Educational institutions south of the road XHJ. Opportunity has been taken at the same time to rearrange the road scheme between plots 135 and 143 because this road made an awkward angle with the road C H at point H.

3. The main features of the layout are the location of the university building in the centre of a square at H and the balancing of the College buildings along the road DH. The hostels are kept away from the main roads. 30 sites are located along the road XHJ which are suitable for professorial residences. Those immediately around the university building are available for extensions of the university building or subsidiary buildings connected with that institution.

4. The actual requirements of the university are not known. It has been assumed that a single-storeyed building 145 feet square will suffice. Such a building could contain a large hall with approximately 4,500 square feet of floor space, 10 rooms each approximately 20 feet square, an entrance hall and offices. The circus at H is suitable for a building of this nature as the interests of traffic demand that the space left at the intersection of roads at this point should be considerable. This space can be filled to advantage with a building of this nature which allows of a symmetrical treatment.

5. Provision has been made for St. Stephen's College and one other college. In regard to the latter there is no actual schedule of requirements to follow. The block plan shows sufficient accommodation for a single-storeyed building containing a floor space in rooms of about 19,200 square feet. This would comprise a hall about 70  $\times$  40 feet, a library about 70  $\times$  20 feet, 6 class rooms each about 30  $\times$  20 feet, 9 class rooms each about 20  $\times$  20 feet, 9

**Proposals for the layout of the Educational buildings in New Delhi.**

professors' rooms, 5 study rooms, a senior and junior common room and suitable lavatory accommodation. The authorities of St. Stephen's College have at

\*Pages 3-4 of B., file 173 of 1915.

different times drawn out two estimates \* of the college buildings which they are likely to require. As it is probable that both colleges will teach the same number of subjects, the college main building has in this case also been assumed to require 19,200 square feet of floor space.

6. Two science blocks have been provided for each college, each of which would contain a floor space in rooms of approximately 9,700 square feet. If, however, there are joint arrangements for the teaching of science the space required will be considerably less than this.

7. As regards hostels in the case of the second college it has been assumed that a two-storeyed building containing 80 rooms each  $20 \times 15$  feet on each floor with quarters for Superintendents over the gateways based on the Dacca model (page 54 of Occasional Report No. 6 of the Government of India, Department of Education) would be suitable. This would accommodate up to 640 students. The annexes provide 4 dining rooms  $60 \times 40$  feet each and kitchens on one side and a yard on the other with latrines and bathing places, both annexes would be connected with the main building by a covered way. Accommodation on a more restricted scale is allowed for in the case of St. Stephen's College. It is considered that the space reserved will be sufficient even if more than one hostel is required.

8. The 30 sites along the road XHJ would be suitable for professorial residences. Each site has a compound approximately  $300 \times 200$  feet. St. Stephen's College according to the schedule of requirements would need 6 sites. The other sites could be allotted according to requirements for residences of professors of the other college and for persons or institutions connected with the university. When educational requirements had been fulfilled, any spare sites could be used for official or private residences.

9. In the North-Western corner of the layout two plots containing 15.9 acres and 19.9 acres, respectively, are left vacant for playing fields. This area should suffice for ordinary purposes. The Parks can be used on special occasions.

10. The actual area proposed is as follows—

For college and university	.	.	.	.	.	.	92.039
For residences	.	.	.	.	.	.	42.207
For playing fields	.	.	.	.	.	.	35.819
Total							170.065 acres.

11. With reference to paragraph 3 of Mr. Hawkins' letter† the Committee are satisfied that a high school for

† Pro. No. 73, *supra*.

European children and a girls' school can be provided for suitably in the clerks' residential area. A separate report accompanied by a site plan will, if the Government of India so desire, be submitted dealing with these two questions.

# Proceedings

## OF THE

# Imperial Delhi Committee.

DECEMBER 1915.

### PART B.

Matters of Routine—Papers not printed.

#### ABSTRACT OF PROCEEDINGS.

Index No. of Proceedings.	Subject and order.	No. and date of order.	Date of previous Proceedings.	File No.
1	Schedule of expenditure under "51—Initial expenditure on the new Capital at Delhi" for October 1915.	...	November 1915, No. 7, B, File 45.	45
2—3	Chief Engineer, Delhi, forwards 3 copies of indent for stores No. 45 of November 1915, preferred by him on the Director General of Stores, India Office, London. (No. 2999-W., dated 26th November 1915.) To the Government of India, Public Works Department :—Forwards for disposal two copies of the above indent.	1st December 1915, 1732.	October 1915, Nos. 75-6, B, File 51.	51
4—5	Chief Engineer, Delhi, proposes the grant to Mr. Amar Nath, B. Bhaskar for a Pottery and Tile Factory, of a temporary lease of 3 acres of land on the east side of the Qutb Road near Bibipur village, for a period of five years, in the first instance, on the terms proposed in the lease form. (No. 2849-W., dated 4th November 1915.) Reply :—Sanctions the lease for 2½ years in the first instance on the terms proposed by the Chief Engineer and subject to certain additional conditions.	2nd December 1915, 1736.	...	291
6	Chief Engineer, Delhi, forwards for record a revised report of completion of providing sheds and transhipment platform in connection with the construction Railway. (No. 3048-W., dated 1st December 1915.)	N. O.	July 1915, No. 1, B, File 182.	182
7	Chief Engineer, Delhi, forwards for record a revised report of completion of the purchase of wheels and axles for renewals to the Broad Gauge wagons. (No. 3047-W., dated 1st December 1915.)	N. O.	September 1915, No. 57, B, File 240.	240
8—9	Transfer to the Chief Commissioner's office of the Service Book, Character Roll and the last pay certificate of Mr. M. J. Macdonald, late Superintendent of the Imperial Delhi Committee Office.	25th November 1915, 1695.	November 1915, No. 2, B, File 164.	164

PROCEEDINGS OF THE IMPERIAL DELHI COMMITTEE, DECEMBER 1915.

Index No. of Proceedings.	Subject and order.	No. and date of order.	Date of previous Proceedings.	File No.
10—1	Chief Engineer, Delhi, forwards for sanction, an estimate amounting to Rs. 6,010 for constructing medical buildings at Barauli and Bansi Paharpur, chargeable to Head D. IX Miscellaneous. (No. 3033-W., dated 30th November 1915.) Reply :—Returns the plans and estimate with the remark that the estimate is in accordance with the orders already issued which may be treated as having given administrative approval to the scheme. Adds that the buildings at Bansi Paharpur, being quite separate from those at Barauli, it is within the powers of the Superintending Engineer, II Circle, to sanction a separate estimate for each of them and the Committee's sanction is not required. Copy together with previous correspondence, forwarded to the Audit Officer, Delhi, for information.	6th December 1915, 1749-50.	August 1915, Nos. 60-1, B, File 211.	211
12—3	Chief Commissioner, Delhi, forwards for information, a copy of the Annual Administration Report of the Delhi Province for the year 1914-15. (No. 7660-Home, dated 26th November 1915.) Acknowledged.	2nd December 1915, 1735.	November 1914, Nos. 123-4, B, File 401.	292
14—15	Grant of travelling allowance to Mr. J. M. Wilson, Architects' representative, for the journeys, made by him during October 1915 to Muttra, Agra, etc.	6th December 1915, 1757.	October 1915, Nos. 35-7, B, File 256.	256
16—7	Government of India, Public Works Department, forward for information and guidance, a copy of a letter from the Secretary, Public Works Department, India Office, London, regarding the provision of passages and the arrival of Messrs. Lutyens and Baker, Architects, and their permanent representatives, Messrs. Greaves and George, in India during the cold weather of 1915-16. (No. 1482-E.B., dated 26th November 1915.) Copy, with a copy of its enclosure, forwarded to the Audit Officer, Delhi, for information.	7th December 1915, 1766.	March 1915, Nos. 95-6, B, File 22.	258
18	Chief Engineer, Delhi, forwards for information, a copy of a letter (with enclosure,) to the Superintending Engineer, II Circle, Delhi, forwarding a revised abstract of cost for Rs. 3,38,000 for constructing the Mohari-Barauli Railway, with the remark that the supplementary estimate amounting to Rs. 15,180 for linking in the Mohari-Barauli Railway should be debited against the sanctioned estimate for Rs. 1,17,000 for the construction of the Bari-Barauli Railway on which a saving of Rs. 40,466 is anticipated. (No. 2834-W., dated 2nd November 1915.)	...	February 1915, Nos. 37-43, B, File 63.	63
19—20	Chief Engineer, Delhi, forwards a copy of a letter from the Personal Assistant to Chief Commissioner and requests sanction, under paragraph 614 of the Public Works Department Code, Volume I, to the expenditure of Rs. 1,600 incurred on the purchase of Public Works Department forms from the Civil and Military Gazette Press, Lahore, during the year 1915-16. (No. 2335-E., dated 27th November 1915.) Sanctioned and the Audit Officer, Delhi, informed.	8th December 1915, 1771-2.	July 1915, Nos. 64-8, B, File 104.	104
21	Chief Engineer, Delhi, forwards for information, a copy of a notification regarding the appointment of Mr. R. N. Ball, as a temporary subordinate on a consolidated pay of Rs. 65 per mensem on probation for 3 months, to the office of the Superintendent, Arboricultural Operations, Delhi, with effect from the 1st December 1915. (No. 2354-E., dated 29th November 1915.)	N. O.	October 1915, No. 13, B, File 66.	66

Index No. of Proceedings.	Subject and order.	No. and date of order.	Date of previous Proceedings.	File No.
22—3	Chief Engineer, Delhi, submits a proposal to divide the charge of the 18 brick-fields into two Sub-divisional charges, and requests sanction under paragraph 296 of the Public Works Department Code, Volume I, to the constitution of a new (4th) Sub-Division in the VI Project Division, 2nd Circle, with effect from the 11th October 1915, when the brick-fields were transferred from the III to the VI Project Division. (No. 2350-W., dated 29th November 1915.) Sanctioned and the Audit Officer, Delhi, informed.	9th December 1915, 1776-7.	November 1915, Nos. 86-8, B, File 289.	289
24—5	Personal Assistant to Chief Commissioner, Delhi, forwards for information and necessary action, a copy of a letter (with enclosures), from the Government of India, Home Department, to all Local Governments and Administrations, containing instructions regarding the construction of, and the storing of ammunition and explosives in, magazines. (No. 7875-Home, dated 4th December 1915.) Copy, together with a copy of its enclosures, forwarded to the Chief Engineer, Delhi, for information and guidance, with reference to the Magazine at Malcha, with the remark that he would arrange to have the magazine formally inspected at regular periods by a competent officer in accordance with the wishes of the Government of India.	9th December 1915, 1778.	...	293
26—9	Grant of sanction to the estimates for providing a water-supply to (1) 15 European Clerks' quarters in Block No. 111 and six Officers' bungalows in Block No. 20 and (2) Indian Clerks' quarters in Block Nos. 94 to 99, amounting to Rs. 5,429 and Rs. 14,525 respectively, chargeable to "D-IX—Miscellaneous," with the remark that the share of cost (Rs. 4,841 and Rs. 11,042 respectively) debit-able to "D-VI—Sanitation" should be written back when the permanent scheme for water-supply has been sanctioned.	6th December 1915, 1743-7.	November 1915, Nos. 40-2, B, File 208.	208
30	Superintendent of Works, I Circle, Delhi, forwards for information, a list of minor works sanctioned by him during the month of November 1915, together with copies of sanctioned estimates (No. 2132-C., dated 3rd December 1915.)	N. O.	...	294
31	Superintending Engineer, II Circle, Delhi, forwards for information, a list of minor works sanctioned by him during the month of November 1915, together with copies of sanctioned estimates. (No. 4407, dated 4th December 1915.)	N. O.	...	295
32	Electrical Engineer, Delhi, forwards for information, a "Nil" return of minor works for the month of November 1915. (No. 5694, dated 6th December 1915.)	N. O.	...	296
33—5	Grant of administrative approval to the following estimates submitted by the Superintending Engineer, II Circle, Delhi:— (1) Amounting to Rs. 4659 for constructing back service roads in plot 112. (2) Amounting to Rs. 1,781 for constructing a siding at Nizamuddin station. (3) Amounting to Rs. 3,275 for constructing North and South roads in block 111 to the west of European Clerks' quarters.	29th November 1915, 1713-14. 6th December 1915, 1755-56.	...	297



PART B ] PROCEEDINGS OF THE IMPERIAL DELHI COMMITTEE, DECEMBER 1915.

Index No. of Proceedings.	Subject and order.	No. and date of order.	Date of previous Proceedings.	File No.
36—7	Deputy Commissioner, Delhi, forwards statements in Form A and B showing the rent demand and realizations for <i>khariif</i> 1915, from cultivation leases of acquired lands in the Delhi Province. (No. 3036 dated 15th November 1915.) Reply :—Approves the demand statement and states that a similar demand statement in Form A for <i>Rabi</i> 1915-16 may be furnished.	15th December 1915, 1803.	September 1915, No. 64, B, File 38.	38
38	Chief Engineer, Delhi forwards for record a report of completion of lighting the Raisina camp for the winter of 1913-14. (No. 3102-W., dated 8th December 1915.)	N. O.	November 1914, No. 54, B, File 32.	298
39	Chief Engineer, Delhi, forwards for record, a report of completion of lighting the Camps for occupation by the Engineering staff during the cold weather of 1914-15. (No. 3103-W., dated 8th December 1915.)	N. O.	January 1915, Nos. 35-6, B, File 17.	17
40—1	Secretary, Municipal Committee, Delhi, enquires if copies of the map containing the local area to be made a Municipality, as notified in the Delhi Province Gazette Notification No. 7494-Education, dated 16th November 1915, have been published and if so, where they can be obtained. (No. 1937-T., dated 13th December 1915.) Reply :—States that the map has not been published and there is no spare copy immediately available. Adds that the map can be inspected at the Imperial Delhi Committee office.	17th December 1915, 1809.	November 1915, No. 53, B, File 285.	285
42—3	Chief Commissioner, Delhi, forwards for information a copy of a letter to the Audit Officer, Delhi, sanctioning the payment of compensation for dearness of provisions for the month of November 1915. (No. 8047-Finl., dated 13th December 1915.) To the Audit Officer, Delhi :—Sanctions the payment of compensation for dearness of provisions for the month of November 1915, to all whole-time servants of Government employed under the Imperial Delhi Committee who are entitled to the allowance under the rules. Copy forwarded to the <u>Chief Engineer</u> <u>Special Land Acquisition Officer</u> , Delhi, for information.	18th December 1915, 1815-16.	November 1915, Nos. 54-55, B, File 44.	44
44—5	Government of India, Public Works Department, forward for information a copy of a letter to all Local Governments and Administrations stating that the Proprietor of the "Sparling" Patent Lock Works, Aligarh, has represented that he has been obliged to alter the prices of the locks manufactured by the firm and that the rates previously quoted no longer hold good. (No. 1222-43-M., dated 6th December 1915.) Copy forwarded to the Chief Engineer, Delhi, for information.	18th December 1915, 1819.	May 1915, Nos. 44-5, B, File 172.	172
46—7	Deputy Commissioner, Delhi, returns the plan showing the area to be leased during the <i>Rabi</i> harvest 1915-16 and requests an acknowledgment. (No. 3242, dated 11th December 1915.) Acknowledged.	18th December 1915, 1814.	October 1915, Nos. 26-9, B, File 255.	255
48—9	Supply to the Government of India, Public Works Department, of plans of the menials' quarters constructed in new Delhi.	20th December 1915, 1826.	November 1915, Nos. 49-50, B, File 73.	73

PROCEEDINGS OF THE IMPERIAL DELHI COMMITTEE, DECEMBER 1915. [ PART B

Index No. of Proceedings.	Subject and order.	No. and date of order.	Date of previous Proceedings.	File No.
50—1	Messrs. Baker and Lutyens, Architects, request sanction for halting allowance for the period 11th to 20th November 1915 spent by them in Egypt on their way to India in the cold weather of 1915, for the purposes of examining some of the architecture there, and state that lack of time prevented them from notifying their intentions prior to their visit. (No. nil, dated 7th December 1915.) Reply :—Invites attention to clause 29 of their agreement with the Secretary of State which provides that the Architects shall travel by such routes and with such halts as the Committee may previously agree on and states that the condition has not been complied with. Adds that the Committee are not clear as regards the object which was to be achieved by the visit and halt in Egypt and in the absence of any further representation the Committee are unable to give the sanction applied for.	14th December 1915, 1799.	December 1915, Nos. 16-7, B, File 22.	22
52—53	Applications for the grant of sites in new Delhi.	13th May 1915, 734. 26th November 1915, 1697.	March 1915, Nos. 112-113, B, File 118.	118
54	Statement showing the rents realized from Paharganj Abadi, during October and November 1915.	...	November 1915, No. 10, B, File 90.	90
55	Statement showing the rents realized from Arab Sarai and other acquired Abadis, during October and November 1915.	...	September 1915, No. 73, B, File 25.	25
56—57	Statement of grazing rents recovered from the acquired lands across the Jumna River, during October and November 1915.	...	November 1915, No. 66, B, File 264.	264
58—59	Political Agent, Bhopal, refers to correspondence regarding the grant of a site to Her Highness the Begum of Bhopal for the erection of a Girls College and High School, which Her Highness proposes to establish in New Delhi in commemoration of Her Majesty the Queen-Empress' visit, and enquires the terms on which the grant has been made. (No. 4723, dated the 14th December 1915) Reply :— States that the terms have not as yet been communicated by the Government of India.	22nd December 1915, 1836.	August 1915, Nos. 11-12, B, File 80.	80
60—63	Grant of sanction to Messrs. Walgate and Greaves, Assistants to the Delhi Architects, visiting Muttra, Agra, and Fatehpur-Sikri during the Christmas holidays for the purpose of studying architecture.	22nd December 1915, 1830-33.	February 1915, Nos. 80-81, B, File 72.	72
64—65	Government of India, Legislative Department, state that they will require 6 additional permanent residences of class VI of officers' quarters for the 6 Council Report rs whom it has been decided to classify with Secretariat Superintendents for the purpose of house accommodation, and request that provision may be made for the construction of these additional residences, and also that the number of quarters to be provided for 1st class European Clerks	22nd December 1915, 1840.	November 1915, Nos. 80-81, B, File 200.	200.

PART B ] PROCEEDINGS OF THE IMPERIAL DELHI COMMITTEE, DECEMBER 1915.

Index No. of Proceedings.	Subject and order.	No. and date of order.	Date of previous Proceedings.	File No.
64—65— <i>contd.</i>	of the Legislative Department may be reduced by one. Add that the pay of these Council Reporters is Rs. 400—20—600 each per mensem. (No. 4398, dated the 14th December 1915.) Copy forwarded to the Chief Engineer, Delhi, for information, with the remark that the additional demand for accommodation should be noted as a probable liability, and the question will be considered when next the housing scheme is revised.			
66—67	Question of payment for Punjab Standard Forms supplied by the "Civil and Military Gazette Press" to the Public Works Department, Delhi, on supplementary indents, during 1914-15.	24th December 1915, 1854.	December 1915, Nos. 19-20, B, File 104.	104
68—69	Report on the actual cost of acquiring the area included in the layout of the new Karaul Bagh settlement.  Statement showing the rents recovered from the tenants of the new Karaul Bagh Abadi, during October and November 1915.	...	November 1915, Nos. 20-21, B, File 279.	279
70—73	Supply to the Government of India, Public Works Department, of abstracts of estimates and specifications of European Clerks' Quarters, class I, of type designs A-480, A-246-2, A-497, and A-745. (Out-houses.)	21st December 1915, 1829.	September 1915, Nos. 43-44, B, File 199.	199
74—75	Government of India, Public Works Department, request that they may be furnished with a fuller report as to the circumstances under which Mr. E. C. B. Walton on being appointed, <i>vice</i> Mr. E. F. Sykes, has been allowed an initial pay of Rs. 750 a month in the graded appointment of Rs. 650—50—800 a month sanctioned by the Secretary of State. (No. 1443-E. B., dated the 16th November 1915.) Reply:—States that on the departure of Mr. Sykes, it became necessary to make a redistribution of work and the greater part of Mr. Sykes' duties were assigned to Mr. Walton, who also remained in charge of some of the work he was already performing and the natural arrangement, therefore, was that he should hold the appointment formerly held by Mr. Sykes on Rs. 650—50—800. Adds that the duties he undertook when he relieved Mr. Sykes involved a substantial increase of work and responsibility, being fully equivalent to a divisional charge, and it seemed reasonable to the Committee that his remuneration should be enhanced to correspond with the increase of work and responsibility and the initial pay he was to draw in his new post was fixed at Rs. 750 a month, the rate actually drawn by Mr. Sykes at the time of his departure.	27th December 1915, 1858.	November 1915, Nos. 26-27, B, File 280.	280
76—78	Adjustment of expenditure incurred in England on furnishing and decoration of Government House.	23rd December 1915, 1848.	November 1915, Nos. 63-65, B, File 267.	267
79	Government of India, Department of Education, state that they will not be in a position to reply to the question regarding the grant of a site for St. Stephens' College until they receive the information asked for in connection with the enclave for educational buildings. (No. 1423, dated the 19th August 1915.)	N. O.	June 1915, Nos. 3-4, B, File 173.	173





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